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## From the Editor's Desk



**C**ongratulations to John and Melita Gulbis on being presented with the Meritorious Award from the Cymbidium Club of Australia. The award was presented recently to John & Melita at their home at Castle Hill by representatives from the Cymbidium Club and the AOR. Alan Merriman had primarily arranged this and it was lovely to catch up with the Gulbis'. Melita even made her famous bacon rolls for morning tea, now that takes me back a few years! Alan has written a short history on the Gulbis' and their work at Cecil Park Orchids, which appears in this issue.

I have written a piece on *Bulbophyllum rothschildianum*. This is an easily grown species with a somewhat confused history. Its bizarre flowers make it a talking point in the orchid collection and should be cultivated by all enthusiasts – from beginner to the seasoned grower.

Brian Milligan has again given us commentary on the recently announced Victorian Orchids of the Year for 2002. It would be nice if other States followed this lead, as it helps to promote awarded orchids in your patch. With no awards books being published, how else do we get to see the plants have been recognised around the country? My suggestion (which I have bandied around for a number of years now), is to have all of the national awards documented and illustrated on the Australian Orchid Council's educational website, for all to see – not just in Australia but internationally. Likewise, the State awards should appear on the State societies website, as there are still local awards given which are not recognised nationally. Members should lobby their State societies (or even the AOC) to get this done.

Jim Cootes has again contributed some fresh information about a couple of seldom seen species from the Philippines, including some new records for the archipelago. Taxa from the genera *Dendrobium* and *Diplocaulobium* are treated in these short articles. Jim is now working on an updated and expanded edition of his well-regarded text, *Orchids of the Philippines*. Bill Lavarack is starting a series on *Terrestrial Orchids of North Queensland*, which are rarely seen in cultivation.

The Stawell Orchid Workshop was held in April, and was an outstanding event. Close to 150 people attended the workshop, with representatives from 16 different orchid societies – some even coming from Adelaide! Ray Clement and I certainly had an enjoyable time and just shows what can be achieved, even by small clubs, if everyone works together with a common goal.

The Sydney International Orchid Fair held in May was again a huge success, being the first major orchid event of the year. We look forward to similar events being organised in other parts of the country. The next three big events all fall on the same weekend in August! Gardening Australia Live at Homebush Bay, the Melbourne International Orchid Show at Collectors Corner and the St Ives Orchid Fair (NSW) are all being held 15-17 August 2003. Let's hope the organisers can get together and sort out the dates in future so they don't clash.

And then there's the big one: the Australian Orchid Conference, to be held in Adelaide, South Australia in September 2003.

**David P. Banks**

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## OUR COVER



*Bulbophyllum rothschildianum* is an unusual Indian species that is readily grown and flowered in cultivation.

Plant: Tinonee Orchids.

Photo: David P. Banks, Digital image using the Olympus Camedia Digital Camera C-50 Zoom.





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A close-up photograph of the orchid *Bulbophyllum rothschildianum*. The image shows several large, elongated leaves with a prominent pattern of red and yellowish-brown spots and stripes. The leaves are thick and have a slightly waxy texture. In the background, several flowers are visible, featuring a similar patterned sepals and petals, with a prominent, dark, fleshy lip (labellum) that has a lighter, possibly white or yellow, center. The overall color palette is dominated by deep reds, yellows, and browns, set against a dark, out-of-focus background.

# *Bulbophyllum rothschildianum* (O'Brien)

Plus some notes on related

*Bulbophyllum rothschildianum*





# *Phyllium* *Idianum* J.J. Smith

species and their hybrids

Text and photos by David P. Banks





Above and below: *Bulbophyllum appendiculatum* photo: D. Titmuss



**B**ulbophyllum rothschildianum is a popular species with orchid enthusiasts on account of its unusual flowers and its adaptability to cultivation over a wide range of climates. It is also a reliable bloomer year after year, producing its umbel of up to eight deep maroon flowers on the inflorescence in autumn. Specimen sized plants in full bloom are impressive sights. The lateral (lower) sepals of the individual flower are fused and there are filaments and appendages on the dorsal (upper) sepal and petals. These "flags" move in the slightest breeze and help attract potential pollinators. The labellum is also highly mobile, and nods with the smallest amount of movement, being attached with a flexible hinge. The flowers, which are up to 150 mm tall, give off a slightly unpleasant musty smell that houseflies find most appealing. Best of all, it is readily available from specialist nurseries at most reasonable prices.

It is thought to be endemic to northern India. Very little is known about the origin of the Type plant, named by O'Brien (as *Cirrhopetalum rothschildianum*) in the *Gardeners Chronicle* in 1895, with the locality given as "Hills beyond Darjeeling". It appears to be quite a rare species in the wild, as most of the plants grown by enthusiasts appear to have been in cultivation for a long time, with no recent introductions of jungle collected plants. There is a school of thought that suggests that our cultivated plants have all been derived from one initial shipment consisting of a few different clones. This would stand to reason, as there is little variation detected in plants in nurseries, botanical institutions and private collections. There is however, a large and colourful form that has become a sought after cultivar in the USA and elsewhere. This clone, 'Red Chimney', has received a First Class Certificate from the American Orchid Society. A very similar clone is grown in Australia, under the name of 'Wild Fire'. This has received a Highly Commended Certificate from the Australian Orchid Council and I would not be at all surprised if indeed these were the same cultivar, mas-

*Bulbophyllum fascinator*







*Bulbophyllum longissimum* photo: D. Titmuss

querading under two different names. My piece of 'Red Chimney' should flower next year, so I will be able to make a detailed comparison then. Whatever the outcome, they are both highly desirable clones.

For such a distinctive and popular orchid, it is astounding that its true identity is often confused. In fact, *Bulbophyllum rothschildianum* and some of its related species certainly must have an identity crisis due to the suite of names that are frequently misapplied. The original material for a species named by Reichenbach in 1882 as *Cirrhopetalum ornatissimum* consists of a single flower, with another lodged at Kew Herbarium, which was later drawn in 1916. Line drawings of these taxa were reproduced in 1973 in Gunnar Seidenfaden's "Notes on *Cirrhopetalum*", being Volume 29 of *Dansk Botanisk Arkiv*. The main differences separating *Bulbophyllum ornatissimum* from the Type of *Bulbophyllum rothschildianum* being the split lateral sepals, and slightly less palae (movable projections) on the petals. Plants in cultivation of *Bulbophyllum rothschildianum* will readily "split" their lateral sepals if stressed by excessive heat during bud development, very low humidity or if the plants have become dry over an extended period of time. Such plants, will flower "normal" the following year, if the prevailing conditions are more favourable. In any case, a study of these facsimile

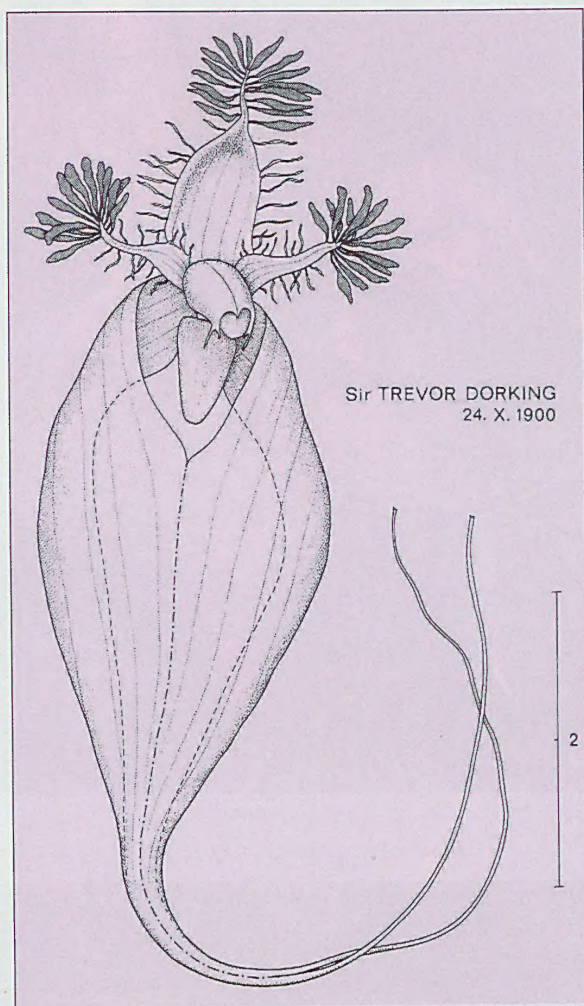


Above: *Bulbophyllum rothschildianum* 'Wild Fire'

Below: *Bulbophyllum wendlandianum* photo: D. Titmuss





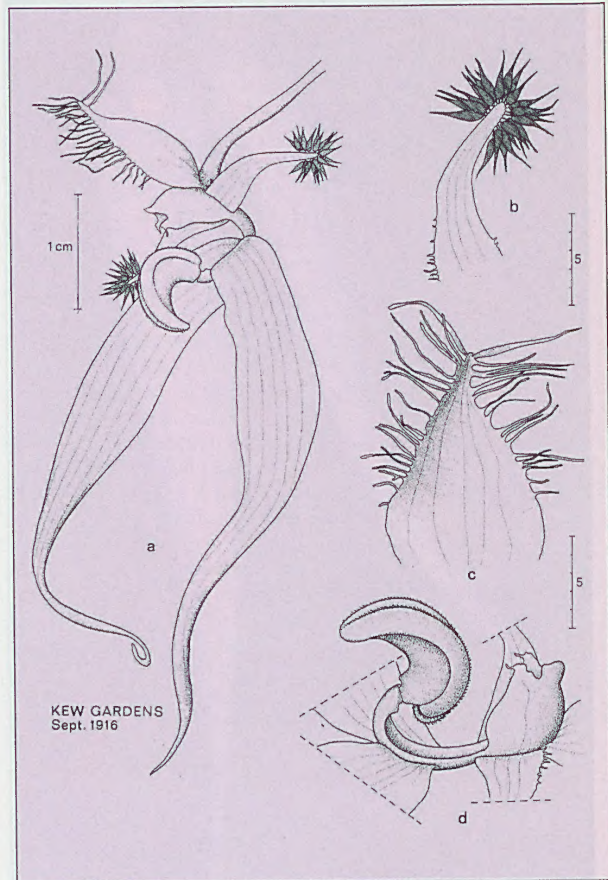


*Bulbophyllum rothschildianum* This drawing from 1900 by Sir Trevor Dorking is a fine match for the plants we have in cultivation today. Taken from Seidenfaden's "Notes on *Cirrhopetalum*". *Dansk Botanisk Arkiv* (29)30

illustrations, reproduced here, indicates that they appear to refer to the same taxon.

It is unfortunate that the first book purely devoted to bulbophyllums, Emly Siegerist's *Bulbophyllums and Their Allies*, published in 2001 further clouds the issue. In it, our two duelling species are treated as two different genera, as *Bulbophyllum rothschildianum* and *Mastigion ornatissimum*. There are colour illustrations of both entities. Plate 53 is captioned as an "unusual clone of *Bulbophyllum rothschildianum*"; most likely this is the clone 'Red Chimney' whilst Plate 62 is captioned as *Mastigion ornatissimum* 'Lil' AM/AOS, owned by Lil & Henry Severin of Cupertino, California, USA. They are the same species, never mind the different genera bit! On my first visit to California in 1997, Lil Severin gave me a piece of that plant that was awarded in 1973. It is a typical *Bulbophyllum rothschildianum*, and indistinguishable from the main clone that I grow.

For the time being, I am referring to members of this genus as *Bulbophyllum* as the treatment of *Cirrhopetalum* is just too perplexing and inconsistent. There have been numerous proposals to split off the various Sections into individual genera, such as *Cirrhopetalum*, *Mastigion* and *Rhytionanthos*. This somewhat piecemeal approach has received lukewarm acceptance, as there



"*Bulbophyllum ornatissimum*" drawn from a plant grown at Kew in 1916, thought to be from the Type collection. The main differences from the Type of *Bulbophyllum rothschildianum* being the split lateral sepals, and slightly less palae (movable projections) on the petals. Taken from Seidenfaden's "Notes on *Cirrhopetalum*". *Dansk Botanisk Arkiv* (29)28

is still widespread confusion over the natural relationships between what appear to be similar groups of species.

But not all plants grown, illustrated (either in books or featured on websites), imported or awarded as "*Bulbophyllum ornatissimum*" are referable to *B. rothschildianum*. Most plants that are imported from nurseries in Thailand and neighbouring parts of Southeast Asia today as "*Bulbophyllum ornatissimum*" bloom to be either *Bulbophyllum appendiculatum* or *Bulbophyllum fascinator* – both being single flowered species. Peter O'Byrne in his recent (2001) book, *A to Z of South East Asian Orchid Species*, illustrates both *Bulbophyllum appendiculatum* and *Bulbophyllum fascinator* (as *B. putidum*) side by side, which share the same autumn flowering period. Ironically *Bulbophyllum appendiculatum* is the correct name for the plant most people have labelled as *Bulbophyllum putidum*, whilst true *Bulbophyllum putidum* is possibly a natural hybrid between *B. appendiculatum* and *B. fascinator*. The colour photo (Plate 41) in *Hortus Botanicus Leiden* (1998) suggests such a combination. Yes, it can be confusing!

At times its been suggested that *Bulbophyllum wendlandianum* from Myanmar (Burma) and Thailand could be a smaller version of *Bulbophyllum rothschildianum*. This is categorically dismissed as *Bulbophyllum wendlandianum* always blooms from semi-developed soft new growths and it has a distinctive late spring to early summer flowering pattern. In fact the inflorescences announce their upcoming floral display not long after the





Above left and right: *Bulbophyllum* Elizabeth Ann 'Buckleberry'

Below: *Bulbophyllum* Fascination 'Bill's Pride' photo: B. Williams





new growths are initiated and start differentiating. *Bulbophyllum rothschildianum* blooms six months later (or did so six months earlier!), and only off fully mature and hardened growths. The blooms of both species are instantly recognisable. *Bulbophyllum longissimum* is a distinctive long-flowered species that can sometimes be confused with its hybrid progeny.

The following table provides a snapshot of the recommended names for the five distinct species already mentioned in this article, along with recent synonyms.

**Suggested Taxonomy for species *Bulbophyllum* discussed in this paper.**

Correct Name	Recent Synonyms
<i>Bulbophyllum rothschildianum</i>	<i>Bulbophyllum ornatissimum</i> <i>Cirrhopetalum rothschildianum</i> <i>Mastigion ornatissimum</i>
<i>Bulbophyllum appendiculatum</i>	<i>Bulbophyllum putidum</i> <i>Cirrhopetalum appendiculatum</i> <i>Mastigion appendiculatum</i>
<i>Bulbophyllum fascinator</i>	<i>Cirrhopetalum fascinator</i>
<i>Bulbophyllum longissimum</i>	<i>Cirrhopetalum longissimum</i>
<i>Bulbophyllum wendlandianum</i>	<i>Cirrhopetalum collettii</i> <i>Cirrhopetalum wendlandianum</i>

**Hybrids**

As if the problem with the taxonomy of the species was not confusing enough, when hybrids are made and later registered with “questionable” parentage, the dilemma is amplified. All of these hybrids are registered with the Royal Horticultural Society (RHS) in London, where many are recorded under the genus name *Cirrhopetalum*. Generally the problem occurs when “*Bulbophyllum ornatissimum*” (as *Cirrhopetalum ornatissimum*) is quoted as one of the parents. An example of this is the popular primary hybrid *Bulbophyllum* Louis Sander. It is recorded as *longissimum* x *ornatissimum*. Now if the “*ornatissimum*” used was really *rothschildianum*, we would have a hybrid identical to *Bulbophyllum* Elizabeth Ann (*longissimum* x *rothschildianum*). However, the flowers of *Bulbophyllum* Louis Sander indicate a hybrid between *B. longissimum* and *B. appendiculatum*. The following table, which is restricted to hybrids I have seen, indicates



*Bulbophyllum* Louis Sander

examples with questionable parentage and what I consider the grex to truly represent. Hybrids indicated by a dash in the last column are sound.

**Cultivation**

With the exception of the species *B. longissimum*, which requires a minimum winter temperature of 12°C (and grows in my heated glasshouse), I grow all of the above-mentioned species and many of the listed hybrids under 70% shadecloth in western Sydney, New South Wales. Here the plants experience brief temperatures at or slightly below the frost level in winter and also take the extreme heat of summer, as long as the plants are shaded, in a humid environment with ample circulating fresh

**Selected *Bulbophyllum* hybrids, (registered with the RHS under *Cirrhopetalum*) influenced by species discussed in this paper.**

Hybrid name	RHS Parentage	Amended Parentage
Cindy Dukes	<i>rothschildianum</i> x <i>putidum</i>	<i>rothschildianum</i> x <i>appendiculatum</i>
Dancing Angels	Lovely Elizabeth x <i>fascinator</i>	-
Doris Dukes	<i>fascinator</i> x <i>rothschildianum</i>	-
Elizabeth Ann	<i>longissimum</i> x <i>rothschildianum</i>	-
Fantasia	Fascination x <i>fascinator</i>	-
Fascination	<i>fascinator</i> x <i>longissimum</i>	-
Gary Heggen	Elizabeth Ann x Louis Sander	-
Louis Sander	<i>longissimum</i> x <i>ornatissimum</i>	<i>longissimum</i> x <i>appendiculatum</i>
Lovely Elizabeth	Elizabeth Ann x <i>rothschildianum</i>	-
Pulled Taffey	Louis Sander x <i>rothschildianum</i>	-
Santa Claus	Elizabeth Ann x <i>fascinator</i>	-
Wilmar Sunrise	Fascination x <i>rothschildianum</i>	-



air. They will withstand quite a range of environments, and I have seen healthy plants grown out of doors from temperate to tropical climates.

The plants may be grown in squat plastic pots, terracotta saucers (with ample drainage holes), hanging or slatted baskets in a bark based medium with the addition of perlite, gravel and chopped sphagnum moss. They will also perform well on treefern slabs and plaques, with the roots happily penetrating the fibres. Slabs of cork bark may also be used, but obviously require extra watering and for this reason is best suited for mature, specimen sized plants.

These bulbophyllums like to be watered regularly in the warmer months, tapering this off slightly in the winter. As long as the plants have excellent drainage, it is pretty hard to kill these epiphytes with too much water. Fertilise as you would your other orchids, but only at half strength and only whilst the plants are in active growth.

#### Acknowledgments

I wish to thank Bill Williams, Jim Cootes, David Titmuss, Alan Merriman, Mick Keith, Bruce Lonnon, Darryl Smedley, Ray Clement, Michael Harrison, Jaap Vermeulen (Singapore), Ron Parsons (California), Wilbur Chang (Hawaii), Jim Hamilton (California) and the late Lillian Severin for encouragement and a combination of information, plant material, slides and discussions on this group of "bulbos".

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*Bulbophyllum* Lovely Elizabeth



# *Diplocaulobium clemensiae*

## – Rediscovered

Text and photos Jim Cootes

A recent trip to the Philippines brought to light a species, which has not been seen for many years. This species *Diplocaulobium clemensiae* is only known from a couple of localities in the islands of the Visayan Sea and the large southern island of Mindanao and these specimens were collected early in the 1900's.

After the publication of my book – *The Orchids of the Philippines* (Times Editions, Singapore, 2001) I went to the Philippines to do some promotional work for the book.

I stayed with an old friend in the City of Makati, Manila, who is also interested in orchids. He had just returned from a trip to the Visayan island of Negros and the province of Negros Oriental. During his stay in Negros Oriental he managed to go to the forest and collect a few samples of the orchid species which grow in that province. Some of the plants he collected were widely distributed species such as *Coelogyne asperata*, *Phalaenopsis lueddemanniana*, *Aerides quinquevulnera*, *Spathoglottis plicata* and *Flickingeria scopa*.

The plants that interested me the most though, were the smaller growing species and the oddities. Among these miniatures were plants of *Pholidota articulata*, a species not previously recorded from the Philippines. This identification was verified by Dr. Ed de Vogel, from the Netherlands, who is a world authority on the genus *Pholidota*; Dr. de Vogel was also staying at the same address as me at the same time.

I hasten to add that the talk about orchids was almost continuous and probably quite boring to people not interested in our beloved plants. Another plant, which caught my eye, was a *Diplocaulobium*. I was aware of the occurrence of the genus in the

Philippines but this was the first time that I had seen an actual plant of the genus "in the flesh". This was quite exciting (to find the plant) as a taxonomist in Queensland, Wayne Harris is currently doing a taxonomic revision of the genus. Mr. Harris asked me to keep my eyes open for any *Diplocaulobium* species I might come across in my travels within the islands of the Philippines. Well here was a plant before me now.

My host is a very gracious man and willingly gave me a division of his plant, which was taken to my home on the island of Mindoro.

In Mindoro the plant was tied to a tree in my garden where it received the morning sun, light shade through the day, plenty of humidity and lots of air movement. Within a few months the plant bloomed and the flowers were preserved in alcohol after being photographed and measured for the description below. The preserved flowers were bought to Australia for further study.

### *Diplocaulobium clemensiae* Ames

Professor Oakes Ames first proposed this species as *Dendrobium clemensiae* in 1912. Alex Hawkes transferred this plant to *Diplocaulobium* in *Lloydia* in 1957. The specific name honours Mary Jo Clemens, collector of the type specimens.

Growth habit: upright, sympodial. Pseudobulbs: to 20 cm tall; about 1 cm in diameter at the base tapering to approximately 3 mm at the apex; unifoliate. Leaves: leathery, unequally bilobed at the apex; narrowly oblong; about 12 cm long by 1.5 cm wide. Inflorescences: appear from a sheath (to 3.5 cm long) at the junction of the leaf and pseudobulb; usually one, sometimes two flowers appear about

7.5 cm in diameter. Flower colour: sepals and petals are white, tipped with cream; the labellum is cream. Dorsal and lateral sepals: triangular at the base, drawn out into long tails; 4 cm long by 2.5 mm wide. Petals: triangular at the base, drawn out into long tails up to 3.5 cm long by 2 mm wide; reflexing slightly. Labellum: three lobed, lateral lobes upright; mid lobe spatulate; labellum overall 1.2 cm long by 3 mm wide.

Habitat and Distribution: *Diplocaulobium clemensiae* is endemic to the Philippines and it has been recorded from the provinces of Occidental and Oriental Negros and Leyte in the Visayan islands and the provinces of Lanao del Norte, Lanao del Sur, Surigao del Norte and Surigao del Sur on Mindanao. It grows at altitudes of up to 800 metres as an epiphyte, usually in very brightly-lit situations. *Diplocaulobium clemensiae* often grows in the base of epiphytic ferns (*Drynaria* species).

Notes: Flowering appears to be initiated by a sudden drop in temperature, such as when a storm occurs. A similar flowering habit is a feature of the widely distributed *Dendrobium crumenatum* Sw.

Even though the flowers are short-lived they make a spectacular display when they do bloom because the blooms are quite large and showy.

### Acknowledgements

Sincere thanks to Attorney Maximo Bandelaria who has been my host during many of my recent stays in the Philippines and Dr. Ed de Vogel who never tires of discussions about orchids.

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*Diplocaulobium clemensiae*



*Diplocaulobium clemensiae*





Victorian Orchid of the Year for 2002, *Catasetum Delightful* 'Pauline' AM/OSCOV, was grown by Fred and Margaret Stewart. It carried a total of 45 flowers, averaging 66 mm across, on three inflorescences. Photo: B. Milligan.

# Victorian Orchids of the Year 2002

by Brian Milligan

**T**he Victorian Orchid of the Year competition was introduced by the Orchid Societies Council of Victoria (OSCOV) in 1992. Photographs of all orchids that have received OSCOV awards in the current year are considered, together with any others submitted by Victorian growers. Success in this competition relies not only on growing an orchid of award quality but also on taking photographs of a similar standard. The Victorian Orchid Judging Panel meets

each February, first to select the winners in the various categories and then to decide the Victorian Orchid of the Year.

Victorian Orchid of the Year for 2002 (sponsored by Castle Creek Orchids) was *Catasetum Delightful* 'Pauline' AM/OSCOV, grown by Fred and Margaret Stewart. It also won the Victorian Any Other Hybrid of the Year category (sponsored by the North East Melbourne Orchid Society). Fred and Margaret will receive an OSCOV Gold Medal, the OSCOV

Perpetual Trophy (an original Syd Monkhouse painting of *Rossioglossum grande*) and a framed photographic print of their orchid (courtesy of Castle Creek Orchids). They will be presented at a dinner held in conjunction with the OSCOV show at Collectors' Corner in August.

The Victorian Cultural Certificate of the Year was won by Howard Tozer of Barker's Creek with a magnificent specimen plant of *Dendrobium cuthbertsonii* 'Arcoona Park' CC/OSCOV. Howard will





A closer view of three individual flowers of *Catasetum Delightful* 'Pauline' shows why it captured the judges' hearts! Photo: B. Milligan.



*Masdevallia Bright Spice* 'Kingston' HCC/OSCOV was chosen as Victorian *Masdevallia* of the Year. Photo: M. Matthews.

receive a silver medal and the OSCOV-sponsored Gunter Haar memorial trophy (a large framed photographic print of his orchid) at the presentation dinner in August.

The winners of all other categories will receive a framed photographic print of their orchid and an OSCOV medallion at the above dinner. The Australian Native Species of the Year (sponsored by the

Yarra Valley Orchid Society) was *Dendrobium bigibbum* var. *compactum* 'Eddy' HCC/OSCOV, grown by Ken Eddy of Leongatha, Australian Native Hybrid of the Year (sponsored by the



*Dendrobium cuthbertsonii* (syn. *Maccrallthea cuthbertsonii*) CC/OSCOV, carried approximately 100 flowers. It was grown and photographed by Howard Tozer, who will receive the Gunter Haar Memorial Trophy for 2002 for his cultural skills.



*Sarcochilus Yvette* 'Jake's Pride' HCC/OSCOV, grown by George and Rosemary Ingram, well deserved to be adjudged Victorian Native Hybrid of the Year. Photo: G. Ingram.





*Dendrobium bigibbum* var. *compactum* 'Eddy' HCC/OSCOV, grown by Ken Eddy, was Victorian Native Orchid of the Year. Photo: V. Pearce.



Six cultivars of *Paphiopedilum* Raisin Candy, raised by Bill and Jan Miles of Kingston, received the Victorian Award of Quality of the Year. Two of the cultivars shown were awarded HCCs.





*Laeliocattleya* Mini Purple 'Clare' AM/OSCOV, grown by Richard Salvado, was Victorian *Cattleya* of the Year. Photo: B. Milligan.

*Paphiopedilum* Memoria Barbara Francis 'John' HCC/OSCOV was chosen from eight awarded entries as Victorian *Paphiopedilum* of the Year. Photo: J. Martin.

Mornington Peninsula Orchid Society) was *Sarcocylus* Yvette 'Jake's Pride' HCC/OSCOV, grown by Rosemary and George Ingram. They also won the trophy for the Victorian Award of Distinction of the Year (sponsored by the Melbourne Western Orchid Society) with *Sarcocylus* Heidi 'Daniel' AD/OSCOV.

The Victorian *Cattleya* of the Year (sponsored by the Mid-Murray Orchid Club) was the exceptionally large-flowered novelty *Laeliocattleya* Mini Purple 'Clare' AM/OSCOV, grown by Richard Salvado. The Victorian Cymbidium of the Year, Kimberley Winter 'Tee Pee' AM/OSCOV (grown by Terry Poulton), receives the J. Jezierski Award sponsored by C. Kowalski. A photograph of this striking standard cymbidium has already been published in the Feb/Mar issue of this Journal. The Victorian *Paphiopedilum* of the Year (sponsored by the Ballarat Orchid Society) was won (yet again) by Andrew Francis and John Martin of Castle Creek Orchids, this time with the exhibition-type *Paphiopedilum* Memoria Barbara Francis 'John' HCC/OSCOV.

Victorian Masdevallia of the Year (sponsored by the Warrnambool and District Orchid Society) was *Masdevallia* Bright Spice 'Kingston' HCC/OSCOV, grown by Bill and Jan Miles of Kingston. Bill and Jan also won the Award of Quality of the Year (sponsored by the Ringwood Orchid Society) with a group of six fine seedlings of *Paphiopedilum* Raisin Candy. Wilsonara Ursula Isler CC/OSCOV, grown by G. and L. Shrubsole, was Victorian *Odontoglossum* of the Year (sponsored by the Bendigo Orchid Club).

Victorian Species Orchid of the Year (sponsored by the Orchid Species Society of Victoria) was *Odontoglossum laeve* 'Rex' HCC/OSCOV, grown by Brian and Lorraine Milligan. Ten species orchids were granted quality awards by the Judging Panel during the year, a reflection of the ever-growing popularity of species orchids in Victoria. The Victorian Seedling of the Year (sponsored by

Atlantis Orchids as the Harold and Florence Coker Award), chosen from 20 contenders, was *Phragmipedium* Don Wimber 'Oneall' HCC/OSCOV, grown by David Keanelly.

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*Phragmipedium* Don Wimber 'Oneall' HCC/OSCOV, grown by David Keanelly, was chosen from twenty entries as Victorian Seedling of the Year.



# Terrestrial Orchids of North Queensland

Text and photos by Bill Lavarack

## *Corymborkis veratrifolia* (Reinw.) Blume

How many orchid fanciers have walked past this large terrestrial orchid species in Australia's northern rainforests and not even realised it was an orchid? The pleated leaves on a tall slender stem look more like a palm or some other rainforest understorey plant than an orchid. When in flower the mass of white flowers may not provide instant recognition as an orchid, but a close inspection of the flowers leaves no doubt – the flower is that of a typical orchid.

The plant has a network of roots and two or three tall slender woody stems up to 160 cm tall, but usually a metre or a little less. There are a few pleated lanceolate leaves 18 to 30 cm long and 5 to 10 cm across, well spaced on the upper half of the stem. There are several short, branched inflorescences produced in upper leaf axils, each branch with three flowers, so that the total effect is a mass of up to 60, but more commonly 20 or 30 flowers. Each flower is slender, green and white and about 3 cm long. The common name is "cinnamon orchid" due to the spicy fragrance of the flowers. The long white flowers are typical of those pollinated by moths and Jim Comber has reported that in Java and Sumatra the fragrance is produced at night, attracting night-flying moths which presumably are the pollinators. To my knowledge no observations have been made in Australia.

The genus *Corymborkis* occurs throughout the World tropics, with species recorded in Africa, Madagascar, South East Asia, Australia, the Pacific Islands and Central and South America, making it one of the most widespread of genera. The species, *C. veratrifolia* occurs from India and Sri Lanka through South East Asia, the Malay Archipelago, Australia and the Pacific Islands to Fiji and Samoa and north to the Ryuku Islands and southern China. In Australia the distribution is given by Dockrill as from the Burdekin River to the tip of Cape York Peninsula, but I have seen an undoubted plant growing on Long Island in the Whitsundays, so occurrences in the Conway rainforests near Proserpine seem possible. It is a widespread species, which has accumulated a long list of synonyms, few of which have had any use in Australia.

This species occurs at low to moderate

altitude (below about 600 m) in Australia, but is recorded from up to 2000 m in other parts of the world. It grows in shady, sheltered rainforest conditions, often near streams in alluvial soil with deep leaf lit-

ter, but also on gently sloping ground away from streams in the forest. Flowering is in the wet season from December to April. At Broadwater Forest Park where I photographed the plant shown here, they were





in full flower in late March and early April.

The relationships of *Corymborkis* and its sister genus *Tropidia* remain rather controversial. Dressler (1993) considered the two genera to be rather primitive and placed them in the Tribe Tropicidae in the subfamily Spiranthoideae, near genera such as *Spiranthes* and *Goodyera*. However the latest molecular classifications (eg Cameron et al 1999) seem to be suggesting they belong in the advanced Epidendroideae, in the same group as *Dendrobium* and *Epidendrum*, although obviously not closely related to them.

This species is not under any threat as it moderately abundant and of little interest to most orchid collectors, especially commercial collectors. The habitat, while reduced in area from its original, is now well conserved in national parks and in the Wet Tropics World Heritage Area.

In Java plants have been used in villages for ornamental purposes, but local experience in North Queensland is that plants often do not do well when dug up from the wild and transplanted. When established in cultivation, care should be taken when repotting to cause as little damage to the roots as possible. The plants require year round warm temperatures, although early morning temperatures in the habitat can drop to 10°C or a little less, for brief periods in winter. It should be kept humid all year, grown in shade and sheltered from any cool or dry winds. Watering should be kept up throughout the year, although a little less in cold weather in winter is beneficial, but the plants should not be allowed to dry out for more than a day or two. A well drained potting mix with good organic content such as is used for most pot plants, will usually be successful.

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# Winning Display at Gardening Australia Live – Queensland

The Orchid Species Society Inc. of Brisbane took first prize in the 'Best Plant Society Display' section of the inaugural ABC Gardening Australia Live – Queensland in April 2003. This was a great honour for the society as we were the only orchid society to be invited to display at this the inaugural ABC Gardening Show for Queensland.

The venue was the RNA Showgrounds – Brisbane, utilizing three main buildings, and the open space between. The Showgrounds are located close to the centre of Brisbane, with good access to public transport, and with plenty of off street parking in the grounds themselves.

As was not uncommon when asked at the meeting prior to the show, if anyone would have flowers for the display, the clamour of offers was so deafening you could hear a pin drop. But true to the nature and generosity of members, the day before the show set-up, I had a couple of phone calls, as did other members of the set-up team. The set-up was headed up by John Roberts, ably assisted by Phyllis Cameron, with Bruce Cameron, Bev & Hal Young, Lyn & Lloyd Mullen, and Val & Nev Bone making up the rest of the team.

The main requirements of the display, as setout by the ABC organizers, was maximum use of the display area, variety of plants, plenty of colour, large specimen plants, good design, with emphasis on the educational aspect of

orchids and their culture. Being the recipient of the Best Plant Society Display award, it would appear that the above requirements were well covered, and well received by the judges.

The display was very popular with the general public, with many inquiries about orchid species in general. One can never guess what will attract the public's eye, and the orchid that attracted most inquiries from the members manning the display, was *Stenoglottis longifolia* a ground orchid from South Africa. It had 5 or 6 spikes varying from 40 to 50cm high with many flowers out and more buds still coming. The other plant which received attention was *Trichoglottis atropurpurea*, this was probably due to its unusual monopodial growth habit and very attractive deep maroon flowers. Many other flowers caught the eye of the public, *Oncidium ornithorhynchum*, *Liparis condylobulbon* and a very attractive plant of *Dendrobium chrysopetrum*, this was interesting as all have relatively small flowers, and one would expect most people to be attracted to the larger more flamboyant members of the orchid family. All in all our display and the show in general was very popular, as many exhibitors have signed up for next year. ■

**Neville Bone**

President

Email: nvbone@acenet.net.au



Winning display ABCGA Queensland



# *Dendrobium* Section *Calypstrochilus* (Dendrobiinae) –

## A new sectional record for the Philippines

Text and photos by Jim Cootes

There are, currently, 18 sections in the genus *Dendrobium* recorded from the Philippines (Cootes 2001). One more section can now be added to the above classification.

Recent flowerings of an unidentified *Dendrobium* species, obtained during a recent trip to the mountains of central Luzon, in the Philippines, has revealed a section of *Dendrobium* not previously recorded from this archipelago. The plants grow as epiphytes, usually on the trunks of trees, in about 50% shade, at elevations of about 1,000 metres.

*Dendrobium* section *Calypstrochilus* is related to section *Pedilonum*, which has its centre of distribution in New Guinea. The flowers of species from section *Calypstrochilus* can be distinguished by their labellum, which has the apex of the labellum folded backwards towards the column and usually the outer edge of the labellum is erose (i.e. having a jagged margin).

In the research collection of the author there are a number of unnamed specimens within the Dendrobiinae. As the plants have settled in and started to grow they are also starting to flower. One such specimen, to recently bloom, is *Dendrobium erosum* (Bl.) Lindl.

Previously this species has been known to occur in Thailand, Peninsular Malaysia, Sumatra, Java, Borneo, New Guinea and several of the Pacific islands. The addition of the Philippines to the above range of distribution has greatly increased the range of this widely distributed species.

Alcohol preserved floral specimens of the above species are held at the Centre for Plant Biodiversity research, Canberra, Australia under the number (J. Cootes ORG 3996).

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# Meritorious Award presented to John & Melita Gulbis from the Cymbidium Club of Australia

By Alan J. Merriman

On 13th November 2002, representatives from the Cymbidium Club of Australia presented John and Melita Gulbis a Meritorious Award, for their work in promoting orchid growing – especially cymbidiums.

John and Melita started growing cymbidiums soon after migrating to Australia from Latvia after the Second World War. They soon found that growing any type of plant at Mount Druitt, one of Sydney's western suburbs was not easy, so they started looking for a more suitable place to grow vegetables, flowers and of course, their orchids. They eventually settled on a property on Wallgrove Road, Cecil Park. This eventually became the home of the famous "Cecil Park" orchid farm.

From the early days of "Cecil Park", John had a passion to breed early blooming cymbidiums as there were very few around in those days. With little material to work with, John made sibling crosses such as *Cymbidium* Lucy 'Meeches' x C. Lucy 'Crookshanks', and used other hybrid cultivars as parents including C. Henry Davis and later on C. Lustrous 'Betty', C. Baltic 'Leanne Sessions' ('Kuron'?) and of course the famous C. Fred Stewart 'Norm Wyborn' and the many clones of C. Stanley Fouraker. The interbreeding of these early flowering clones gave John the plants he was looking for to start the collection of early flowering cymbidiums! As years passed, "Cecil Park" was renowned for its quality early cymbidiums.

Another project they were involved in was the building of the packing shed for the Australian Cymbidium Export Association at Penshurst, near Sydney, in the 1960's.

By the early 1970's, "Cecil Park" had the reputation of having the best early export quality Cymbidium blooms in Australia! By now "Cecil Park" was exporting flowers to most northern hemisphere countries. John and Melita continued hybridising to eventually have a collection of quality blooms of all colours that would bloom from the beginning of May through till late October! The clonal names 'Cecil Park' and 'Melita' (given to their best cultivars) soon became world renown.

Many Sydney orchid societies are certainly in debt to the generosity of John and Melita. They joined the Parramatta and



Alan Merriman, John & Melita Gulbis and Kevin Black at the recent presentation held at the Gulbis' home at Castle Hill. Photo: David P. Banks

District Orchid Society in its early days and never a meeting went by without a box of hybrid Cymbidium seedlings being donated for the monthly raffle. At shows, foliage plants were also donated to raise funds for the Society to donate to charities. When the OSNSW affiliated societies combined shows were on, they always were there to provide plants for use in the displays. Mature plants and seedlings were also donated to be sold at the shows to help fund the societies, as well as a beautiful specimen in bloom for the traditional raffle. The Gulbis' main societies, apart from the Parramatta club, were Blue Mountains and Bankstown. When the Cymbidium Club of Australia Inc. was started, they became foundation members. From its early beginning, they helped in their usual way.

"Cecil Park" was famous for its legendary Christmas parties. Members and the immediate families of local orchid societies, as well as enthusiasts from as far away as Adelaide and Melbourne, attended what was arguably the best of the social events of the festive season. The BBQ was always popular, with an array of salads and plenty of refreshments for all.

One of the highlights of these parties was the fabulous cake that the Gulbis' donated for the raffle! A certain youngster (now AOR Editor) said to me the other day that the highlight of the Christmas parties was the famous bacon rolls that Melita made! (Guess who that was??).

The numerous Seminars and Open Days held at "Cecil Park" were events that all orchid growers would not want to miss! "Cecil Park" was certainly the place to be.

Their hospitality was world-renowned. If a novice grower happened to drop by to see how to grow cymbidiums, they came away with a head full of information, as well as a boot full of plants and a box of seedlings!

There is no doubt, for many years the name of "Cecil Park" and John and Melita Gulbis will be synonymous to the growing of cymbidiums in Australia.

Congratulations from all who have had the pleasure of knowing John and Melita – a worthy award from all who grow cymbidiums.

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## Species and hybrids: what's the difference?

By Brian Milligan

To those who know, it's obvious. But not all growers appreciate the difference. Loosely speaking, species orchids are native orchids that grow (or grew) wild somewhere in the world. A hybrid is the result of breeding one orchid with a different orchid, be they species or hybrids. The process is usually referred to as hybridising or 'crossing'.

As an example, 'crossing' *Cattleya maxima* with another species *Cattleya*, *C. intermedia*, gave the first *Cattleya* hybrid, *C. Dominiana* (in 1859). Intergeneric hybrids are produced by crossing different genera. For example, crossing *Laelia anceps* and *Cattleya intermedia* (both species) gave the intergeneric hybrid *Laeliocattleya Interceps*, abbreviated *Lc. Interceps*.

Species orchids are often crossed with another of the same species with the expectation of obtaining improved flowers. *Dendrobium kingianum* is a good example. Sometimes one flower is pollinated using pollen from another flower on the same plant (called 'selfing', and often written 'x self'). More common is 'out-crossing', when the pollen is taken from a flower on a different plant of *D. kingianum*. The resultant seedlings are NOT hybrids, and are still named *D. kingianum*.

The definition of species orchids as orchids that grow wild in Nature is not strictly correct, because hybrids also grow wild occasionally. These are 'natural' hybrids, which have resulted from cross-pollination of species orchids by 'wayward' insects. These natural hybrids have an x (a multiplication sign) in their names. Examples of natural hybrids among our Australian native orchids are *Dendrobium X delicatum* (*D. kingianum* x *D. speciosum*) and *Pterostylis X ingens* (*P. nutans* x *P. furcata*).

When writing the names of species orchids, only the first letter of the genus should have a capital, e.g. *Laelia anceps*. The name should also be italicised, or if that is not possible, it should be underlined. All words in a hybrid name should begin with a capital letter, e.g. *Macleanara Pagan Love Song 'Ruby Charles'*; only the genus should be italicised or underlined. If everyone did this, we could all tell the difference between species and hybrid orchids.

All species orchids should be entered in the Species Any Genus class at monthly meetings and shows. The only exceptions are where there are separate species classes, e.g. *Paphiopedilum* Species.

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# The Melbourne Orchid Spectacular

August 15, 16 & 17, 2003

The Melbourne Orchid Spectacular, first held in 1992 is Australia's largest annual orchid show and each year record numbers of exhibits and plants are entered.

The show attracts interest and exhibitors Australia wide and is supported by all the Victorian societies under the management of OSCOV. Benefits from the show are returned to the societies and over \$10,000 is allocated to prizes for the champions and classes. Competitions are open to all hobbyists, societies and commercial growers across Australia. 1000's of plants are exhibited on a wide range of displays, due to the fierce competition between societies the range and quality of the stands is exceptional.

For those that are more interested in expanding their collections or looking for something new or different why not visit the Orchid Fair an Collectors Corner and view the latest offerings from some of Australia's leading orchid nurseries including

Castle Creek Orchids, Mt Beenak Orchids, Orchid World (Vic),  
Tinonee Orchids (NSW), Woolf Orchid Culture (Qld),  
and special guest appearance by P + R Orchids from Port Macquarie.



## New Releases

Each year many new cultivars and hard to get species are released at The Melbourne Orchid Spectacular, in 2002 divisions of flowered seedlings of the famous

*Cymbidium Little Sarah*

(Sweetheart x Sarah Jean) were first released.



2003 promises many new surprises with a number of new as yet unnamed cascading cym hybrids being exhibited for the first time by Orchid World.



Orchid World has amassed the largest collection of cascading cymbidiums in the world and through its extensive breeding program have developed many new and exciting cultivars, in 2003 a number of new seedlings of some of the latest crossings will be available.

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# 16th Australian Orchid Conference and Show Update

Royal Adelaide Showgrounds – Adelaide, South Aust. (Sept. 16th. to 21st. 2003.)



Information books are still available, from the Secretary, which gives details of all Social Functions, Guest Speakers, and an Application Registration form, etc.

**Registrations:** By the end of February 2003, we have more than 210 Registrants. If you wish to be a Registrant, do not delay as Registrations close on July 31st. By being a Registrant you will receive preference for all tours and special functions. You will also obtain unlimited access to the Guest Speakers and show displays. Also included by being a Registrant, is the Opening Night function where a two course meal will be served at your table followed by a first look at the orchid displays in Centennial Hall. Commercial Orchid Sales with a wide range of different orchids will be very popular. You will find them in the southern annexe of Centennial Hall from 10 a.m.-5 p.m Wednesday 17th. to Sunday 21st. Registrants only will get first choice of sales on Wednesday.

**Orchid Displays:** Information on the 22 options for display sizes and categories and an application form is available, which needs to be forwarded to the Conference Committee by August 31st. There is no charge to enter.

The theme of 'Orchids in the Wine State' has been chosen and you are encouraged to provide items depicting this theme in your display. Cut spikes are permitted. If requested, assistance will be given to Interstate applicants, requiring props, etc. Orchid Clubs, groups or individuals are welcome to exhibit. Only orchids nominated will be judged. The put in for dis-

plays is Tuesday 16th Sept. from 8 a.m. to 8 p.m. The take out of orchids is after 5 p.m. to 7 p.m. Sunday 21st. For extra interest there have been classes created in Floral Art, Photography of orchids, orchid Foliage and orchid Fragrance.

**Judging:** Show judging will be conducted from 8 a.m. Wednesday 17th. Registrants with judging qualifications will be rostered in teams and also judge all of the Champions.

## Social Functions:

- \* Opening Night – Wed. 17th. Available only to Invited Guests, Registrants and Partners.
- \* Hospitality Night – Thurs. 18th. Local Growers invite visitors to their home for a meal and chat.
- \* Mystery Night – Friday 19th. Busloads

of Registrants are going out to a special place for dinner. (It's a Mystery!)

- \* Banquet – Sat. 20th. – A special evening of fun where the presentation of Major prizes, final comments and traditional handing on of the A.O.C. flag ceremony will be conducted.
- \* B.B.Q. Lunch – Sunday 21st. – A final chance to socialize with others.
- \* Don't forget the bus tours: Wednesday – City tour, Thursday and Friday, local Nursery tours, Saturday – Australian Natives in the wild in the Adelaide hills,
- \* Sunday morning – visit Carrick Hill.

**For further enquiries contact the Secretary,**

G.P.O. Box 730 Adelaide 5001 or phone (08) 82713213

email: mrj@unforgettable.com



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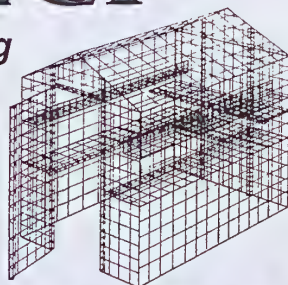
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# Country Orchid Clubs Challenge

4-6 July 2003

**M**embers of the host club Sunraysia Orchid Club Inc have plans well under way for the 4th Country Orchid Clubs Challenge. This year the Challenge will be held in the Irymple Leisure Centre Karadoc Ave Irymple July 4th -6th. Set up time will be between 11am -6 pm. On Friday 4th a BBQ tea will be provided at the same venue with everyone welcome to attend. Boulevard Nursery, Sage Horticultural & Milburn Park Winery, will supply Guest speakers for the night, and there will also be wine tastings.

Saturday morning is judging time and also time for everyone not involved with this to participate in the organised tours. This year we will be visiting Angas Park (Dried Fruits) Milburn Park Winery, Boulevard Nursery and Woodsies Rock Shop. Back to the Challenge and enjoy the light luncheon provided by our congenial hosts, admire the beautifully displayed plants,

agree or disagree with the judging, and settle down to listen to the speakers at the seminar.

Saturday night we will be entertained at a Dinner Dance to be held in the Club da Vince in Deakin Ave (Near 15th St) after our meal the now famous Orchid Auction and raffle will take place, then we can all dance the night away (Neat casual dress please). Sunday sees us back at the Challenge where we can once again admire the orchid on display and purchase more from the sellers Johnstons Orchids, Mt Beenak Orchids, Sims Orchids and Sage Horticultural.

Pull down will be 3.00pm Sunday. As the Country Orchids Clubs Challenge coincides with the Hot Air Balloon Championships in Mildura it is advised that you book your accommodation as early as possible. Looking forward to seeing you there.

**John Welsh**  
Chairman

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*Please ensure that all  
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**Address editorial to:**

The Editor, D. P. Banks,  
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## Attention AOR readers and Orchid Societies

*"This and That" is a regular feature of the  
Australian Orchid Review and readers and  
Orchid Societies are invited to contribute any  
small news items of interest to Orchid lovers.*

*The deadline for items can be found on  
page 3.*

*Address all correspondence to the Editor.  
"This and That", Australian Orchid Review,  
14 McGill Street, Lewisham, NSW 2049.*

*Email: [bbadger@graphicworld.com.au](mailto:bbadger@graphicworld.com.au)*

## 2003 5th Annual Winter Miracles Orchid Show

The Show will be presented by the Yarra  
Valley Orchid Society and B&T Ferns &  
Orchids on Saturday, July 19, 10.00am-5.00pm  
and Sunday, July 20, 9.00am-4.00pm at 30  
Wiseman Road, Silvan, Victoria (Melways Ref.  
123/E7).

On display will be Australian Native  
Orchids and other orchid genera.

The sales area will have on offer an exten-  
sive range of orchids including new releases,  
from some of Australia's best known hybridis-  
ers. A 10% discount will apply to all orchid  
sales during the show period.

Mount Beenak Orchids of Three Bridges  
and Riverview Orchids of Brogo, N.S.W. will  
be in attendance and will have on offer an  
extensive range of Ondontoglossums,  
Oncidium species, Masdevallias and other gen-  
era.

Yarra Valley Orchid Society will be provid-  
ing tea, coffee, soft drinks and a sausage sizzle  
at nominal prices.

Free entry to all.

Further enquiries contact Mark, Jane or Terri  
on (03) 9737 9694.

## Berry Camellia and Winter Flower Show

This event will be held Saturday, August 2nd  
noon-4pm in the School of Arts, Alexander  
Street, Berry, NSW. Thousands of exquisite  
camellias will be on display plus many other  
cut flowers, potted and garden plants. There  
will also be an Australian native flowers and  
plant display. The show will be opened by Judy  
Horton of Arthur Yates & Co.

This will be the 41st year for the Camellia  
Show.

Four well known Berry camellia gardens  
will be open on Saturday and Sunday 3rd and  
4th August between 10am and 4pm.

For further details: phone John  
Ashworth 02 446 0388 or e-mail:  
[garden-festival@berrygardens.org.au](mailto:garden-festival@berrygardens.org.au).

## The Orchid Species Society Inc. – Annual Show 2003

The show will be held at Mt Coot-tha  
Botanical Gardens Auditorium in Brisbane on  
Saturday, 6th September from 9.00am to  
5.00pm and Sunday, 7th September from  
9.00am to 4.00pm. Admission is \$3 for adults,  
with children under 14 free.

All visitors will be welcome to view the  
spectacular displays, including benched  
species orchids from around the world with  
many available for sale in the sales area.  
Experienced growers from within the society  
will be available to give advice on orchid types  
and cultural needs. A number of raffles and pot-  
ting demonstrations will be conducted during  
the show period and exquisite floral arrange-  
ments will also be on sale.

For additional information about our  
society and the show see our Web Site:  
[www.orchidspeciesoc.gil.com.au](http://www.orchidspeciesoc.gil.com.au) or contact  
President Neville Bone – phone (07) 3264 3897  
or e-mail:

[president@orchidspeciesoc.gil.com.au](mailto:president@orchidspeciesoc.gil.com.au)

## Berry Gardens Festival

This year's festival features seven gardens  
which are all different from last year. The gar-  
dens range from compact town gardens to those  
on large rural settings with panoramic vistas of  
rolling meadows and escarpment. Many of the  
gardens include water features, rock walls, ter-  
racing and interesting garden ornaments. This  
year we have included a number of interesting  
exhibitions: paintings, metal sculptures,  
orchids and plant sales.

The gardens will be open four days from  
Friday 17th October to Monday 20th October  
2002 10am-4pm daily.

For further information phone John  
Ashworth 02 4446 0388 or email:  
[flowershow@berrygardens.org.au](mailto:flowershow@berrygardens.org.au).

## Hills District Orchids

(Props. Graeme, Lyn and David Banks)

## 2003 Orchid Events

AOR Editor, Nurseryman & Author, David Banks will be at:

13 July 2003: Tinonee Orchids Open Day and Show at Tinonee (near Taree)

15-17 August 2003: St Ives Orchid Fair at St Ives Showground

12 October 2003: Hills District Orchids Spring Open Day at Northmead

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# NEW ORCHID HYBRIDS

January – March 2003 REGISTRATIONS

Supplied by the Royal Horticultural Society as International Cultivar Registration Authority for Orchid Hybrids

NAME	PARENTAGE	REGISTERED BY
<b>ADERIDOWANDA</b> Akia Akikui Eric Hayes	<i>Aer. lawrenceae</i> x <i>V. Antonio Real</i> <i>Aer. vandorum</i> x <i>V. Miss Joaquim</i>	A.Buckman(T.Kosaki) W.Morris(Hayes)
<b>ANGULOCASTE</b> Sander Hope	Angst. Paul Sander x Lyc. Jackpot	T.Goshima
<b>ARANDA</b> Ossea 75th Anniversary	<i>Aranda</i> City of Singapore x <i>V. Pikul</i>	Orch.Soc.S.E.A.(Koh Keng Hoe)
<b>ASCOCENDA</b> Andy Boros Bay Sunset Denver Deva Nina Fran Boros Kullana Peggy Augustus Viewbank	<i>Ascid.</i> Copper Pure x <i>Ascid.</i> Yip Sum Wah <i>Ascid.</i> Su-Fun Beauty x <i>Ascid.</i> Yip Sum Wah <i>V.</i> Denver Deva x <i>Ascid.</i> Yip Sum Wah <i>Ascid.</i> Fuchs Port Royal x <i>V. Doctor Anek</i> <i>Ascid.</i> Jiraprapa x <i>V. coerulea</i> <i>V.</i> Adisak x <i>Ascid.</i> Fuchs Harvest Moon <i>Ascid.</i> Meda Arnold x <i>Ascid.</i> Viboon	R.F.Orchids T.Bade N.Brisnehan(R.T.Fukumura) R.F.Orchids Kullana R.F.Orchids W.Mather(O/U)
<b>BARKERIA</b> Anja Gertrud Hans-Jong Jung Jan de Maaker Remo Robert Marsh	<i>Bark.</i> Doris Hunt x <i>Bark. palmeri</i> <i>Bark. dorothea</i> x <i>Bark. naevosa</i> <i>Bark. uniflora</i> x <i>Bark. spectabilis</i> <i>Bark. skinneri</i> x <i>Bark. naevosa</i> <i>Bark. naevosa</i> x <i>Bark. strophinx</i> <i>Bark. uniflora</i> x <i>Bark. barkeriela</i>	R.Schafflützel R.Schafflützel R.Schafflützel R.Schafflützel R.Schafflützel R.Schafflützel
<b>BRASSAVOLA</b> Memoria Coach Blackmore	<i>B.</i> [RIL] <i>diglybara</i> x <i>B.</i> Aristocrat	S.Blackmore(Ruben Sauleda)
<b>BRASSOCCATILEVA</b> Akia Nocturne Carnival Kids Donna Nene Cojuangco InoBoua Memoria Sylvia Lee Mount Walker Sunny Spot	<i>C.</i> Korat Spots x <i>B.</i> <i>nodosa</i> <i>B.</i> <i>nodosa</i> x <i>[LIL]</i> <i>dormiana</i> <i>B.</i> Hawaiianian x <i>B.</i> Hummer x <i>B.</i> Ruth Gee <i>B.</i> <i>nodosa</i> x <i>C.</i> <i>joazei</i> <i>C.</i> <i>walkeriana</i> x <i>B.</i> Mount Anderson <i>C.</i> Sunny Drop Utuado x <i>B.</i> Maikai	A.Buckman(O/U) Suwada Orch. A.Enrile Pinporiboon C.McMillan(Brian Lee) B.Calder(O/U) Orch.by Eli
<b>BRASSOCCATILEVA</b> Akia's Song Akia Kobayakawa Aura Gold Brown Finney Capricorn Rising Caribbean Treasure Deep Autumn Fruit Cup Gold Fire Ichiro Nagai Izumi Charm Izumi Rainbow Izumi Song Julio Pottin Karl Red Panda Kalliatian Robins Magic Colors Margaret Cuyugan Michael Barrett Pacific Friendship	<i>B.</i> <i>nodosa</i> x <i>Lc.</i> Mari's Song <i>Bc.</i> Honolulu Lulu x <i>Lc.</i> Wayndora <i>Lc.</i> Auracharm x <i>Bc.</i> Peralta Gold <i>Bc.</i> Memoria Helen Brown x <i>Lc.</i> Irene Finney <i>Bc.</i> Daifodil x <i>Lc.</i> <i>crinabombina</i> <i>Lc.</i> Castias Spring x <i>Bc.</i> Bryce Canyon <i>Lc.</i> Bonanza x <i>Bc.</i> Summer Lady <i>Bc.</i> Irma Scott x <i>Bc.</i> Erin Kobayashi <i>Bc.</i> Fuchs Orange Nuggett x <i>Bc.</i> Love Sound <i>Lc.</i> Persepolis x <i>Bc.</i> Don De Michaels <i>Bc.</i> Love Sound x <i>Bc.</i> Melodora Fair <i>Bc.</i> Love Sound x <i>Bc.</i> B. Cader <i>Bc.</i> Pastora Sound x <i>Bc.</i> Mari's Song <i>Bc.</i> Pirate King x <i>Bc.</i> Meditation <i>Lc.</i> Pirate King x <i>Bc.</i> Norman's Bay <i>C.</i> Moscomb x <i>Bc.</i> Golden Slippers <i>Bc.</i> Good News x <i>Lc.</i> Starting Point <i>Bc.</i> Tab Y. Sam x <i>Bc.</i> Memoria <i>Bc.</i> Pink Diamond x <i>Lc.</i> Nippon <i>Lc.</i> Summer Red x <i>Bc.</i> Donna Kimura	A.Buckman Puanani Rex Foster Orchids Suwada Orch. Rex Foster Orchids Orch.by Eli Suwada Orch. Phelps Farm Seagiri Nagai Kiyoshi Nagai Fuji Orchids Fuji Orchids Fuji Orchids V.Harbord(J.Pantlin) Kendolie Agr.(Ho Cheng Ing) Puanani Suwada Orch. A.Enrile A.Enrile Suwada Orch.



NAME	PARENTAGE	REGISTERED BY	NAME	PARENTAGE	REGISTERED BY
<b>CYMBIDIUM (continued)</b>					
Grand Master	Cym. Lemon Butter x Cym. Rozel Bay	L.Batcman	Shihan Hiroshi Tada	Den. Mari Michener x Den. Kasem Gold	A.Shinju-Kai(S.Y.Alsagoff)
Green Jade	Cym. Loch Lomond x Cym. Greenzele	L.Batcman	Sirasa	Den. Chingmai Pink x Den. Doreen	Kusumapala
Grevé de Lecq	Cym. Thurso x Cym. Borough Green	E.Young O.F.	Starfish	Den. Christmas Chime x Den. Sakuragari	S.Fujito
Hanky Panky	Cym. Cleo's Melody x Cym. Pink Ice	L.Batcman	Sun Blush	Den. Chime x Den. Malotfale	S.Fujito
Hart Throb	Cym. Loren's Treasure x Cym. Solana Rose	L.Batcman	Sunday's Luck	Den. Binawa Sunset x Den. Rutherford Blushing Bride	Down Under N.O.
Helen Tangcay	Cym. Dorothy Rowe x Cym. Hazel Tiers	L.Batcman	Sylvester	Den. Sakuragari x Den. Ocheron	Down Under N.O.
Incubator	Cym. James Toya x Cym. Top Girl	R.Dix	Teresa Candy	Den. [Doc.] Jiggi x Den. [Doc.] <i>teretifolium</i> [teretifolia]	N.T.Hong
Kiwi Norman	Cym. Tracey Reddaway x Cym. Conquistador Beauty	Kiwi Orch.(N.Porter)	Tornette's Concert	Den. Mother Teresa x Den. Chao Praya Candy	Puentespsina Orch.(O/U)
La Houquette	Cym. Colomberie x Cym. Pure Lamb	E.Young O.F.	Viollette Marie Gudmunson	Den. Tomie Drake x Den. Jaquelyn Concert	Orchids Ltd[MN](R-J) Quene)
La Houque Ble	Cym. Goldrun x Cym. Plemont	E.Young O.F.	Virtual Magic	Den. Mollisa Roi x Den. Doctor Poyck	A.Watson(K.J.McFarlane)
Lemon Candy	Cym. Lemon Butter x Cym. Hallmark	L.Batcman	Walnut Valley Woolf	Den. Autumn Show x Den. Polar Queen	B.Rinke(Woolf Orchid Culture)
Lonesome Polcat	Cym. Applejack x Cym. Coraki	L.Batcman		Den. Berry x Den. Zip	
Love Potion	Cym. So Bold x Cym. Peetle	E.Ellestad			
Lovely Delight	Cym. Lovely Bunny x Cym. Pure Emerald	E.Ellestad	DISA	<i>Disa triptaloides</i> x <i>Disa glandulosa</i>	H.Crous
Lovely Fairy	Cym. Lovely Bunny x Cym. Brushed Star	E.Ellestad	Coconut Ice <sup>1</sup>	<i>Disa vasselloti</i> f. <i>Disa uniflora</i>	H.Crous
Luna Rossa	Cym. Red Beauty x Cym. Claudina	R.Dix(A.Easton)	Lydia Adelaide	<i>Disa Kewensis</i> x <i>Disa aurea</i>	J.McKinlay
Magic Dragon	Cym. Tweedle Dee x Cym. Applejack	L.Batcman	Sussex Sun		A.Kindred(C.Lueg)
Memoria Doctor Allen Rogers	Cym. Red Beauty x Cym. John Wooden	G.Hatfield			
Memorial Giam-tuyen Wong	Cym. Phar Lap x Cym. Celtic Imp	B.Mark(A.Easton)			
Misty Dream	Cym. Via Willey-Coyote x Cym. Sleeping Nymph	E.Ellestad	DORTAENOP/S		
Molek	Cym. Winter Maid x Cym. Monica Snoden	R.Dix	Acker's Sweetie	Phal. Ho's French Fantasia x Dips. Taisuco Candystripe	Orch.by Ackers(O/U)
Pink Phineu	Cym. Double Take x Cym. Rivers Edge	L.Batcman	Asian Orphan	Dips. Lunar Romance x Dips. Happy Valentine	Brennan's(Taisuco)
Pink Tiers	Cym. Hazel Tiers x Cym. Pink Ice	L.Batcman	Baby Sunny	Phal. Sogo Lit-Sunny x Dips. Chingruey's Baby	H.Ginsberg
Poetic Angel	Cym. Poetic Ghost x Cym. Lovely Angel	Kiwi Orch.(Bryants)	Bedford Small Bouquet	Dips. Wedding in White x Phal. Timothy Christopher	H.Ginsberg
Psycho	Cym. Cleo's Melody x Cym. Mustang Ridge	L.Batcman	Bedford Wedding Day	Dips. Wedding in White x Phal. Ho's Amaglad	H.Ginsberg
Pure and Simple	Cym. Hazel Show x Cym. Summer Clouds	T.Davis(Schaelers)	Bedford White Wedding	Dips. Wedding in White x Phal. <i>amabilis</i>	H.Ginsberg
Quasar	Cym. Claude Pepper x Cym. James Toya	L.Batcman	Brother Redland	Dips. Minho Princess x Phal. Brother Pirate King	R.F.Orchid(Brother)
Red Knight	Cym. Hot Line x Cym. James Toya	L.Batcman	Casey Lowery	Phal. Bombori x Dips. Gold Strike	Owens Orchids
Rincon Flame	Cym. Rincon x Cym. Yovie Flame	L.Batcman	Cezanne's Heart	Phal. Gamet Heart x Dips. Crystal Blush	Orchids Ltd [MN](R-J) Quene)
Rosy Glow	Cym. Rincon x Cym. Lady Spring	L.Batcman	Cezanne's Philhall	Dips. Hsinying Hall x Phal. <i>philippensis</i>	Orchids Ltd [MN](R-J) Quene)
Royal Promise	Cym. James Toya x Cym. Red Beauty	L.Batcman	Chih Shang's Valentine	Dips. Hsinying Pink x Dips. Happy Valentine	Orchids Ltd [MN](O/U)
Snow Mountain	Cym. Palace Promise x Cym. Foxfire Royale	L.Batcman	Chin-Lih Prince	Dips. Taisuco Beauty x Dips. Sun Prince	W.T.Chien(Chin-Lih Lee)
Snow Maiden	Cym. Pink Ice x Cym. Rosinante	L.Batcman	Chingruey's Jewel	Dips. King Shang's Beauty x Dips. Taisuco Pixie	Ching Ruey Orch.
Sparks	Cym. Woody Wilson x Cym. Via Mar Tranquila	L.Batcman	Christie Croezen	Dips. Malibu Halo x Phal. Denver	P.Croezen
Supernova	Cym. Knock Out x Cym. James Toya	L.Batcman	Exotic Wonder	Phal. Exotic Network x Dips. No Wonder	Dr.J.C.Martin
Suzanne and Helen	Cym. James Toya x Cym. Tapestry	L.Batcman	Fancy Valentine	Phal. Hsinying Fancy x Dips. Happy Valentine	Orchids Ltd [MN](O/U)
Tee Looswick	Cym. Lone Star x Cym. Lovely Angel	Kiwi Orch.(O/U)	Gauguin Supreme	Dips. Chian-Huey Red Rose x Phal. Tangenne Supreme	Orchids Ltd [MN](R-J) Quene)
Too Gozwick	Cym. Hazel Tiers x Cym. Cleo's Melody	L.Batcman	Hama Red Mini	Phal. Little Mary x Dips. King Shang's Pixie	Saeki Nurs.
Twinkle Dum	Cym. Suzanne and Helen x Cym. Lovely Angel	L.Batcman	Hampshire Success	Phal. Hampshire Silk x Dips. Brother Success	Tin-Fan Ho
Vintage Rincon	Cym. Rozel Bay x Cym. Applejack	L.Batcman	Ho's Mountain Girl	Phal. Scarlet in Snow x Dips. Mount Up	W.T.Chien(Shui-En Kau)
Winter Blanche	Cym. Rincon x Cym. Sensational Vintage	L.Batcman	Hsinying Rudolph	Phal. Rudolph x Dips. Hsinying Clout	W.T.Chien
Winter Bloom	Cym. Poetic Winter x Cym. Wonder Arc	Kiwi Orch.(Bryants)	I-Hsin Cherry	Dips. Ming-Hsing Underella x Dips. Nobby's Pink Lady	W.T.Chien
Winter Eve	Cym. Winter Fair x Cym. Bloomfield	R.Dix(A.Easton)	I-Hsin Diamond	Dips. Leopold Prince x Dips. Sogo Cherry	W.T.Chien
	Cym. Winter Alvin x Cym. Poetic Ghost	Kiwi Orch.(Bryants)	I-Hsin Honey Girl	Dips. Timothy Christopher x Dips. Hsinying Rudolph	W.T.Chien
			I-Hsin Isis	Dips. Join Angel x Phal. Join Diamond	W.T.Chien
			I-Hsin Lipstick	Dips. Han-Ben's Girl x Phal. Taisuco Noble	W.T.Chien
			I-Hsin Lisa	Dips. Sun Valentine x Dips. Chin-Lih Prince	W.T.Chien
			I-Hsin Ray	Dips. Taisuco Newbeauty x Dips. Hsinying Rudolph	W.T.Chien
			I-Hsin Ruby	Dips. I-Hsin Black Jack x Phal. Sogo Lisa	W.T.Chien
			I-Hsin Ruler	Dips. Leopold Prince x Dips. Leopold Prince	W.T.Chien
			I-Hsin Sun Beauty	Dips. Hsinying Ruler x Dips. Sinica Maple	W.T.Chien
			I-Hsin Sunday	Phal. Salu Pecker x Dips. Taisuco Firebird	W.T.Chien
			I-Hsin SweetGirl	Phal. New Cinderella x Dips. Sinica Sunday	W.T.Chien
			Joseph Nicholson	Dips. Han-Ben's Girl x Dips. Timmy Sweetgirl	W.T.Chien
			Kevin's Sunset	Dips. King Shang's Pixie x Dips. King's Valentine	Owens Orchids
			Leong Red Dazzle	Dips. Casablanca Joy x Phal. Join Diamond	Join Orch.
			Leong Red Valentine	Dips. Memoria Rene Chauvin x Phal. Pink Festival	Hiltop Orch.
			Looking At You	Phal. Brother Purple x Dips. Taida Rose	R.Leong
			Looking Fine	Dips. Taida Salu x Phal. Brother Purple	Owens Orchids
			Looking for Love	Dips. Orglade's Puff x Phal. Taisuco Moon	Owens Orchids
			Melody	Phal. Abendrot x Dips. Spring Damsel	Owens Orchids
			Memoria Edna Robinson	Dips. Casablanca Joy x Phal. Join King	Join Orch.
			Memoria Ernesto Shihy	Dips. Taisuco Candystripe x Phal. Taisuco Gold	Owens Orchids
			Memoria Judy Lowe	Dips. Taisuco Borele x Phal. Taisuco Carol	C.J.Mckenzie(O/U)
			Memoria Louise Charello	Dips. City Girl x Phal. Falang's Elation	Owens Orchids
			Memoria Sallie Owens	Dips. Marjorie Sheldarer x Dips. Pishag Child	Owens Orchids
			Midnight Princess	Dips. Pishag Sands x Phal. Garnetrost	Owens Orchids
			Ming-Hsing Beauty	Dips. Minho Princess x Phal. Midnight Kiss	Stones River(Carter & Holmes)
				Phal. Golden Pecker x Dips. Han-Ben's Girl	Lin Ming-Hsing
Bien-Hoa Canyon	Den. Rutherford Galaxy x Den. Aussie Victory	Down Under N.O.			
Cropley	Den. Anulani Hinjosa x Den. Lihloho	Hawaiian FI.Nurs.(K.Kamiya)			
Florat Puentespsina	Den. Nunkumbi x Den. Hilda Phoenix	Down Under N.O.			
Four Daughters	Den. Komachinus Adventure x Den. Puentespsina in May	Puentespsina Orch.(O/U)			
Haleani Glow	Den. Komachinus Adventure x Den. Chinal	S.Fujito			
Haleani Lacey	Den. Kouchi's Pride x Den. Louise's Gem	Hawaiian FI.Nurs.(D.Sugita)			
Hawaiian Reindeer	Den. Haleahi Elusive x Den. Mary Stripes	Hawaiian FI.Nurs.(D.Sugita)			
Iranganie Serasinghe	Den. Jason Akagi x Den. Jaquelyn Thomas	Hawaiian FI.Nurs.(K.Kamiya)			
Lau Moy Klang	Den. Burana Fancy x Den. Bobby Mesina	Kusumapala			
Lau Mui Kheng	Den. Ng Eng Cheow x Den. Burana White	M.H.Law			
Liberty Smile	Den. Ng Eng Cheow x Den. Burana Green	M.H.Law			
Lindly's Lass	Den. Malotfale x Den. Utopia	S.Fujito			
Loni's Star	Den. Stratotaki x Den. <i>lasianthera</i> [ostiringlossum]	K.&F.Lindeman(O/U)			
Mavis Elizabeth	Den. Dawn Maree x Den. Loni Tokunaga	H & R			
Mekong	Den. Marie McFarlane x Den. Virtual Magic	A.Watson(Cairns Orchid Centre)			
Memoria Dipper Nishii	Den. Molly Dunne x Den. Aussie Victory	Down Under N.O.			
Mollisa Roi	Den. <i>alexandria</i> x Den. <i>macrophyllum</i>	T.Nishii			
Palolo Sky	Den. Tomie's Concert x Den. Floreat Puentespsina	Puentespsina Orch.			
Philippines Adventure	Den. Roi-Et x Den. Mollisa	Orchids Ltd[MN](O/U)			
Puentespsina in May	Den. Fuchs Blur Angel x Den. Southern Galaxy	Hawaiian FI.Nurs.(K.Kamiya)			
Rudkin	Den. Pule Hawaii x Den. Shigaki Neil	Puentespsina Orch.(O/U)			
Sharon Brown	Den. May Neal x Den. Srisomom	Down Under N.O.			
	Den. Rutherford Sunspot x Den. Lusty	A.Watson(Cairns Orchid Centre)			



NAME	PARENTAGE	REGISTERED BY
<b>DONTAENOPSIS</b> (continued)		
Ming-Hsing Red Ruby	Dtps. Chian-Huey Red Rose x Dtps. Ming-Hsing Star	Lin Ming-Hsing
Miva Isabelle Brubaud	Phal. Auz de Miva x Dtps. Mivabranche	Michél Vachet
Monet's Pride	Phal. Jenifer's Pride x Dtps. Fairy Valentine	Orchids Ltd [MN](R-J) Quené)
Monet's Valentine	Phal. Reijiro Wakatsuki x Dtps. Chih Shang's Valentine	Orchids Ltd [MN](R-J) Quené)
Olivia Lowery	Dtps. Pisgah Chiffon x Phal. Gamelfrost	Owens Orchids
Pisgah Convention	Dtps. Sogo Manager x Phal. Bonibort	Owens Orchids
Pisgah Cupid	Dtps. Happy Valentine x Dtps. Spring Damsel	Owens Orchids
Pisgah Delicious	Phal. Mad Ravel x Dtps. Taisuco Appleline	Owens Orchids
Pisgah Glad	Dtps. Pisgah Parfait x Phal. New Glad	Owens Orchids
Pisgah Manager	Dtps. Sogo Manager x Dtps. Taisuco Candystripe	Owens Orchids
Pisgah Purty	Dtps. Pisgah Chiffon x Phal. Snow Hunter	Owens Orchids
Pisgah Ravel	Phal. Mad Ravel x Dtps. Taisuco Candystripe	Owens Orchids
Pisgah Smile	Phal. Green Mist x Dtps. Happy Smile	Owens Orchids
Purple Firebird	Dtps. Taisuco Firebird x Phal. Brother Purple	Pavan-Mindrem
Renoir's Passion	Phal. Passione Giallo x Dtps. No Complaints	Orchids Ltd [MN](R-J) Quené)
Shanghai Expo	Dtps. Brother Success x Dtps. Brother Spring Moonlight	Su Hai Yen
Signac's Garnet	Phal. Brother Precious Stones	
	x Dtps. Chih Shang's Valentine	
Sunrise Beautiful Girl	Dtps. Formosa Rose x Phal. Hsinton Rose	Orchids Ltd [MN](R-J) Quené)
Sunrise Candy	Dtps. Kinu Pink Candy x Dtps. Taisuco Firebird	Sunrise Biotech
Sunrise Coral	Dtps. King Shang's Coral x Dtps. King Shang's Beauty	Sunrise Biotech
Sunrise Prince	Phal. New Cinderella x Dtps. Sinica Fortune	Sunrise Biotech
Sunrise Ruby	Dtps. Tinny Ruby x Phal. Taisuco Rose	Sunrise Biotech
Sunrise Star	Dtps. Chia Lin x Dtps. Tinny Honey	Sunrise Biotech
Tai-I Purple-Rose	Dtps. Formosa Rose x Dtps. Tai-I Red Rose	Brennan's
Tower Hill Tribute	Phal. Taisuco Carol x Dtps. Asian Orphan	
Walnut Valley Halo	Dtps. Zeller Firebird x Phal. Hsinying Fair	B.Rinke(O/U)
Zellershai	Dtps. Zeller Splash x Phal. Kuntratti Rarashai	John Hutchinson
<b>EPICATTLEYA</b>		
Domenico Pozzi	Epi. [E.] prismatocarpum x C. forbesii	Fl.Edmondo Pozzi
Mount Lambert	Epi. carphophorum [latilium] x C. lueddemanniana	C.McMillan
<b>EPIDENDRUM</b>		
Saint Nicholas	Epi. ibaguense x Epi. Dainty Lady	Lee Foong Ying(Chua Hong Hor)
Thomas Ott	Epi. pseudopendulum x Epi. melanoporphyreum	T.Ott(Trop.O.Farm)
<b>GASTROPHAIUS</b>		
Kimberly Vezina	Phaius Gravesiae	W.Cortez
	x Gs. [Phaius] tuberculosa [tuberculatus]	
<b>GASTRORCHIS</b>		
Elizabeth Castle	Gs. [Phaius] pulchra [pulcher]	E.Young O.F
	x Gs. [Phaius] tuberculosa [tuberculatus]	
<b>HAENARIA</b>		
Kakoeti	Hab. carnea x Hab. roebelenii ♀	S.Kako
<b>HAMELWELLSARA</b>		
Ironbark	Hmwasa. Oakbank x Z. Iron Baron	Adelaide
<b>LAELIA</b>		
Rocket Sprite	L. rupestris x L. anceps	Rex Foster Orchids(O/U)
<b>LAELIOCATONIA</b>		
Haleakali Circus	Lc. Pixie Elf x Lcna. Tina	Hawaiian Fl.Nurs.(D.Suglia)
<b>LAELIOCATLEYA</b>		
Bashful	Lc. Ira Fumiko Field x Lc. Pink Costume	Suwada Orch.
Carmela's Tropical Beauty	Lc. Memoria Robert Strait x Lc. Aloha Case	J.& J.Selles(Carmela)
Cosmo-Catherine	Lc. Fair Catherine x C. walkeriana	Kokusai
Danielle Cojuangco	C. Queen Sirikit x Lc. Nippon	A.Enrile
Dipozzi Tarantella	C. skinneri x L. milleri	Fl.Edmondo Pozzi
Final Blue	Lc. Blue Dynasty x C. walkeriana	Suwada Orch.
Gold Kitty	Lc. Grodsk's Gold x C. Kittimoss	B.Calder(O/U)
Good Days	L. rubescens x C. walkeriana	Suwada Orch.
Izumi Candy	Lc. Stephen-Zuho x Lc. Candy Stripe	Fuji Orchids
Kat Green Cherry	Lc. Stephen-Zuho x Lc. Melody Fair	Fuji Orchids
Maruzella	C. Moscombe x Lc. Wallia	Kendolie Agr.
Motherload	Lc. Eligold de Valec x C. aurantiaca	Fl.Edmondo Pozzi
	Lc. Auracharm x Lc. Candy Corn	Rex Foster Orchids
NAME	PARENTAGE	REGISTERED BY
My Mother Oscar	Lc. South One x Lc. Pink Costume	A.Nakada
Shibuya Girl	Lc. [Lc.] dormariana x L. milleri	Rex Foster Orchids(O/U)
Shibuya Girl	Lc. Derrynane x Lc. Mari's Song	Suwada Orch.
Tropical Stick	Lc. Memoria Douglas Kelly x Lc. Mildred Rives	C.Caffery(Carter & Holmes)
Tropical Trick	Lc. Tropical Chip x L. ilava	Suwada Orch.
Yazoo Pass	Lc. Tropical Sunset x Lc. Trick or Treat	C.Wenzel
	Lc. Belle of Celle x C. Horace	Arnold J.Klehman
<b>LUISANDA</b>		
Little Beauty	V. kimballiana x Lsa. teres	W.Morris(O/U)
<b>LYCASTE</b>		
Flare	Lyc. macrobulbon x Lyc. Island of Vulcan	Y.Suzuki
Kibou	Lyc. cruentia x Lyc. Hamana Conc	T.Goshima
Pink Fantasy	Lyc. Headington x Lyc. Always	T.Goshima
Red Court	Lyc. Hamana Wire x Lyc. Wild Court	T.Goshima
Silk Wedding	Lyc. Shonan Melody x Lyc. silmeri	T.Goshima
Yellow Submarine	Lyc. cruentia x Lyc. Memoria Fl Congleton	
<b>MILTONIA</b>		
Beauvalande	Milt. Five Oaks x Milt. Bel Croute	E.Young O.F.
Komoda Marvel	Milt. Edwidge Sabourin x Milt. [Mps.] roezlii	Owens Orchids(l.Komoda)
<b>ODONTIODA</b>		
Aliform Event	Odm. Royal Event x Odm. Aliform	Mukoyama
Anklet Woe	Odm. Anklet x Odm. Avewood	Mukoyama
Enzan Apple	Odm. Lovely Penguin x Odm. Lovely Apple	Mukoyama
Enzan Crystal	Odm. Crystal McLaughlin x Odm. Nationhood	Mukoyama
Enzan Honey	Odm. George McMahon x Odm. harryanum	Mukoyama
Enzan Hood	Odm. Avewood x Odm. Nationhood	Mukoyama
Enzan Ingar	Odm. Ingar x Odm. harryanum	Mukoyama
Enzan Kill	Odm. Anklet x Odm. harryanum	Mukoyama
Enzan Sally	Odm. Winter Dream x Odm. Lovely Sally	Mukoyama
Enzan Violet	Odm. Avewood x Odm. Virginal Enzan	Mukoyama
Hiraly Event	Odm. Royal Event x Odm. Philately	Mukoyama
Jerome Martinez y Alire	Odm. Robin Timothy Webb x Odm. Feuerkugel	J.L.Walker(Orchid House)
Lovely Nation	Odm. Nation Dugger x Odm. Avewood	Mukoyama
Red Wear	Odm. Wearside Gate x Odm. Picasso	Mukoyama(Golden Gate)
Robin Timothy Webb	Odm. Memorial Len Page x Odm. Queen of Hearts	J.L.Walker(Orchid House)
San Damiano Clarity	Odm. Blanca Nieves x Odm. crispum	J.L.Walker(Orchid House)
San Damiano Concade	Odm. Maldon x Odm. Concade	J.L.Walker(Orchid House)
San Damiano Forever	Odm. Harrods Forever x Odm. Brocade	J.L.Walker(Orchid House)
San Damiano Pala	Odm. Pala x Odm. Queen of Hearts	J.L.Walker(Orchid House)
Shine Gate	Odm. Lippstern x Odm. Mount Diablo	J.L.Walker(Orchid House)
San Damiano Silver	Odm. Red Shine x Odm. Glyndebourne Cherubino	Mukoyama(Golden Gate)
Terry Lee Cramer	Odm. Lippstern x Odm. Midway Park	J.L.Walker(Orchid House)
Toto Winter	Odm. Tormar x Odm. Tontor	Mukoyama
Wearside Gate	Odm. Wearside Pattern x Odm. Glyndebourne Kilian	Mukoyama(Golden Gate)
<b>ODONTODIDIUM</b>		
Barbara Bush	Onc. Macmex x Odcadm. Crowborough	Owens Orchids
<b>ODONTOGLOSSUM</b>		
Enzan Yankee	Odm. harryanum x Odm. Mellow Yellow	Mukoyama
High Street	Odm. hostilabium x Odm. tribium	C.& S.Matmder
Holiday Yellow	Odm. Mellow Yellow x Odm. Holiday Gold	Mukoyama
La Preterrie	Odm. Quistum x Odm. Tordonia	E.Young O.F.
Marian Hall	Odm. [Lem.] maculatum x Odm. Dugger's Gold	R.Stone
<b>ONCIDIUM</b>		
Fitzroy Cistens	Onc. Balboa x Onc. maculatum	C.McMillan
Gold Dust	Onc. Winkie x Onc. cineriparum	H.& R.
Kookhan	Onc. Auntie Bea x Onc. Orilamne	K.A.Ryan(G.Bryant)
Pretty Kool	Onc. Kookhan x Onc. Cameo Sunset	K.A.Ryan(G.Bryant)
Seagrove's Sweet Petite	Onc. Sweet Sugar x Onc. viperinum	Seagrove Orch.
<b>PAPHIOPEDILUM</b>		
Alice Doherty	Paph. Onyx x Paph. Ceisha Doll	J.Doherty
Aline Raynal	Paph. niveum x Paph. Karen Muir	P.Berata
Amanda Arm	Paph. Amanda x Paph. Pauline Ann	Suwada Orch.
Amanda's Memory	Paph. Memoria Seawall Wright x Paph. Amanda	Suwada Orch.(M.Kimura)
Anhinga	Paph. Pulsar x Paph. Laser	R.F.Orchids(l.Fang)



NAME	PARENTAGE	REGISTERED BY	NAME	PARENTAGE	REGISTERED BY
<b>PAPHIOPEDILUM (continued)</b>					
Araphahlight	Paph. Arapahoe x Paph. Nulight	Arnold J. Klehm	Hiro Ocean	Paph. Nevada City x Paph. Pacific Ocean	H-Fujita
Awesome Campo	Paph. Via Campo Grande x Paph. Totally Awesome	Orchids Ltd [MN] (J.L. Fischer)	Hiro Parade	Paph. Orchilla x Paph. Bella Lucia	H-Fujita
Beautelight	Paph. Beauté x Paph. Nulight	Arnold J. Klehm	Hiro Passion	Paph. Burpham x Paph. Cadence	H-Fujita
Black Zeller	Paph. Redezelo Junction x Paph. Black Curt	Arnold J. Klehm	Hiro Saturn	Paph. Amanda x Paph. Parry Gripp	H-Fujita
Blackie	Paph. Tuxedo Junction x Paph. Red Maude	T.Boomer (Orchid Zone)	Hiro Silky	Paph. Silvara x Paph. Bella Lucia	H-Fujita
Blair Underwood	Paph. Pacific Ocean x Paph. Winlantis	G.Ogawa	Hiro Thunder	Paph. Spottier x Paph. Thunder Bay	H-Fujita
Bob White	Paph. Bob Cat x Paph. White Knight	K.Ogawa	Hiro Ticket	Paph. Magnot Extra x Paph. Super Jaguar	H-Fujita
Bull Fighter	Paph. Sitting Bull x Paph. Winlantis	Suwada Orch. (M.Kimura)	Hiro Twinkle	Paph. Emerald Dream x Paph. Edelstein	H-Fujita
Canyonlight	Paph. Ocean Canyon x Paph. Nulight	Arnold J. Klehm	Hiro Valley	Paph. Olympic Forest x Paph. Super Jaguar	H-Fujita
Chateaufort-Du-Pape	Paph. Red Glory x Paph. Hamana Wave	Arnold J. Klehm	Hiro Yard	Paph. Burpham x Paph. Pathfinder Victory	H-Fujita
Chunky Bear	Paph. Shapely x Paph. Halo	Arnold J. Klehm	Jade Scorpion	Paph. Robert Paterson x Paph. Olympic Forest	N.Mochizuki
Clockwork Orange	Paph. Polar Bay x Paph. Chunky Monkey	Arnold J. Klehm	Judicial Watch	Paph. Goutenianum x Paph. Stone Almost	G.Lawless (Orchid House)
Composure	Paph. Colonella x Paph. Hamana Anne	S.R.Weltz (O/U)	Kimura Cliff	Paph. Winston Churchill x Paph. Winky	Mukoyama (M.Kimura)
Conkoloro	Paph. Concor x Paph. Kolegataki	Suwada Orch.	Kimura Finetta	Paph. Pacific Ocean x Paph. Finetta	Mukoyama (M.Kimura)
Enma Kirchoff	Paph. Happy Hill x Paph. Winston Churchill	Arnold J. Klehm	Kimura Gallantry	Paph. Gigi x Paph. Motoo Kimura	Mukoyama (M.Kimura)
Enzan Elegance	Paph. Over the Acres x Paph. Kimura Elegance	Mukoyama	Kimura Gigantia	Paph. Winston Churchill x Paph. Motoo Kimura	Mukoyama (M.Kimura)
Enzan Liz	Paph. Kimura's Grove x Paph. Valor Sioux	Mukoyama	Kimura Hill	Paph. Tree of Grove x Paph. Lemon Hart	Mukoyama (M.Kimura)
Enzan Promise	Paph. Original Sioux x Paph. Kimura Promise	Mukoyama	Kimura Lemon	Paph. Matchcheck x Paph. Frank Pearce	Mukoyama (M.Kimura)
Enzan Salt	Paph. Enzan Winter x Paph. Salt Mountain	Mukoyama	Kimura Mars	Paph. Motoo Kimura x Paph. Pacific Ocean	Mukoyama (M.Kimura)
Enzan Sunland	Paph. Sunland Summer x Paph. Salt Mountain	Mukoyama	Kimura Pacific	Paph. Sparsholt x Paph. Treevill Festival	Mukoyama (M.Kimura)
Enzan Year	Paph. Memoria Doctor Tsuchiya x Paph. Yearly Festival	Mukoyama	Kimura Sholt	Paph. Motoo Kimura x Paph. Grove	Mukoyama (M.Kimura)
Eric Zolla	Paph. Muir Constance x Paph. Tyke	Orchids Ltd [MN] (J.L. Fischer)	Kimura Treasure	Paph. Winston Churchill x Paph. Tree of Butterfly	Mukoyama (M.Kimura)
Fairfield	Paph. Lailereanum x Paph. Friendship	N.Mochizuki (T.Root)	Kimura Win	Paph. Tree of Greatwood x Paph. Treevill Festival	Mukoyama (M.Kimura)
Fever Pitch	Paph. Clair de Lune x Paph. Ruby Leopard	N.Mochizuki (T.Root)	Kimura Wood	Paph. Prime Time x Paph. Yellow Tree	Suwada Orch.
Festlight	Paph. Hanes Festa x Paph. Nulight	Arnold J. Klehm	Kimura Yellow	Paph. Cotil Point x Paph. Grosnez Castle	E.Young O.F.
Fire Fighter	Paph. Flame Arrow x Paph. Cocoa Cherry	N.Mochizuki (T.Root)	La Preterre	Paph. Bagley x Paph. Saie Harbour	E.Young O.F.
Fourman's Bloody Snow	Paph. Magic Lantern x Paph. wilhelminiae	T.Fourman (O/U)	Le Catel	Paph. William Ambler x Paph. sanderianum	N.Mochizuki
Fourman's Mahogany	Paph. urbanianum x Paph. glanduliferum [praestans]	T.Fourman (O/U)	Lefty Kei	Paph. Grosnez Castle x Paph. Jersey Freckles	E.Young O.F.
Frank Kimura	Paph. Frank Pearce x Paph. James Crow	Mukoyama (M.Kimura)	Liberty Canyon	Paph. Pulsar x Paph. Flame Arrow	N.Mochizuki (T.Root)
Fukuyoka	Paph. Miyabi Utsumi x Paph. Skip Bartlett	T.Takano	Lou Hegedus	Paph. Colorado x Paph. rothschildianum	Orchids Ltd [MN] (J.L. Fischer)
Golden Roger	Paph. Jolly Green Gem x Paph. Skip Bartlett	N.Mochizuki	Lovely Enzan	Paph. Enzan White Night x Paph. Lovely Land	Mukoyama
Golden Toyokawa	Paph. Peter Black x Paph. Hamana Park	T.Terabe	Mahalo Nancy	Paph. Maudie x Paph. Alwine	A.Buckman
Golden White	Paph. Golden Acres x Paph. White Knight	Suwada Orch.	Maulousm	Paph. Risque x Paph. Skip Bartlett	Stones River (E.F.G. Orchids)
Grainville	Paph. Beresford x Paph. Amanda	E.Young O.F.	Memoria Dorothy Brewer	Paph. Raisin Jack x Paph. fairieanum	R.L.Bullard (Omaha Orch.)
Hamana Base	Paph. Pacific Ocean x Paph. bellatulum	Arnold J. Klehm	Memoria Ralph Bullard Junior	Paph. Flight Path x Paph. Memoria Sewall Wright	Suwada Orch.
Hamana Carp	Paph. Hamana World x Paph. Hamana Sharp	Saeki Nurs.	Memorial Flight	Paph. Sheba x Paph. Pacific Ocean	G.Lawless (Orchid House)
Hamana Dot's	Paph. Amanda x Paph. Jenna Marie	Saeki Nurs.	Michael Jai White	Paph. spicanum x Paph. violascens	M.Motokoku
Hamana Fairy	Paph. Surella x Paph. Snow Creek	Saeki Nurs.	Mikasa Lix	Paph. Jolix x Paph. Akessa	Mukoyama
Hamana Ice	Paph. Hamana Willow x Paph. Pawnee	Saeki Nurs.	Moonrabbitt	Paph. Eroxx x Paph. Daisy Miller	T.Takano
Hamana Pawnee	Paph. verisum x Paph. Jolly Green Gem	Mukoyama	Moulun de Flouquet	Paph. Veroy x Paph. Nanto Hasegawa	E.Young O.F.
Hampshire Venus	Paph. Winston Churchill x Paph. Awesome Pacific	Saeki Nurs.	Nightcat	Paph. Bado x Paph. Keyshill	Kita-Cai
Hampshire Baud	Paph. Lebaudyanum x Paph. Iwoli	Arnold J. Klehm	Norcan	Paph. Vallarova x Paph. Sioux	N.Mochizuki
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Hiro Dams	Paph. Emerald Dream x Paph. Stefani Pitta	H-Fujita	Ruby Flame	Paph. Double Bell x Paph. micranthum	N.Mochizuki
Hiro Challenge	Paph. Flight Path x Paph. Thunder Bay	H-Fujita	Ruby Spots	Paph. Maudae x Paph. Raisin Glory	N.Mochizuki
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Hiro Heaven	Paph. World Plaza x Paph. A. Lomax	H-Fujita	Saint Martin De Porres	Paph. Brecko Sukwiss x Paph. hirsutissimum	Y.Aoyagi
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## GROWING ORCHIDS

David P. Banks

Orchids have fascinated people for years. Breath-takingly beautiful, exotic, surrounded by mystery and thought to be difficult to grow by home gardeners. David P. Banks takes the guesswork out of growing orchids by providing practical advice based on over thirty years of experience.

Growing Orchids is an up-to-date, comprehensive and informative guide to cultivating these intriguing plants. Included is information on housing orchids, temperature and watering requirements, suitable potting materials, seedling care and an extensive section on orchid propagation.

Discover the world of orchids with the extensive list of 100 different orchid genera and descriptions of over 400 species. Over 100 stunning colour photographs, including many rare and recently discovered species, showcase the tremendous variation found throughout the orchid kingdom.

David P. Banks has an extensive collection of species and hybrid orchids, and operates the nursery Hills District Orchids. He is a popular lecturer on various aspects of orchids and their cultivation, at meetings and conferences in Australia and abroad. His articles and award-winning photographs have been published to international acclaim in a variety of orchid journals and books. David P. Banks is the editor of the Australian Orchid Review.

122 pages, colour and B&W.

**OUR DISCOUNT PRICE \$A20.45**  
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## COOL FLOWERING ORCHIDS THROUGHOUT THE YEAR

by Ross Macdonald

Ross Macdonald is a highly respected orchid grower and photographer from the North Island of New Zealand. This volume is devoted to cool growing orchid genera, which are easy to cultivate in New Zealand and southern Australia. Growers in tropical areas should not be discouraged, as many of these orchids are indeed adaptable and will grow in a range of climates. Andy Easton has written the foreword. Ross has devoted the first few pages of the book to cultural hints, which are down to earth and give practical information on the basics of orchid cultivation.

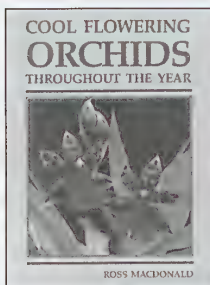
Basically this is a pictorial book with over 300 full colour photographs, covering a similar number of orchid species and hybrids. The quality of both the photographs and the colour reproduction is impressive. All of the orchids have been captured using available sunlight and there is no flash photography. There is a wide range of orchid genera covered with particular emphasis placed on cymbidiums, dendrobiums, laelias, masdevallias, the Odontoglossum alliance and Paphiopedilum.

The photographs are arranged in four chapters, referring on their main blooming season. The use of seasons ensures the text is also applicable to growers in the northern hemisphere.

This inexpensive book is exceptional value and importantly is written by someone who knows and grows these orchids. I thoroughly recommend this book to orchid growers, as it will be of great value to both novice and experienced enthusiasts.

144 pp. 242mm x 168mm  
Softcover.

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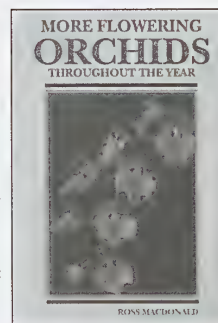


## MORE FLOWERING ORCHIDS THROUGHOUT THE YEAR

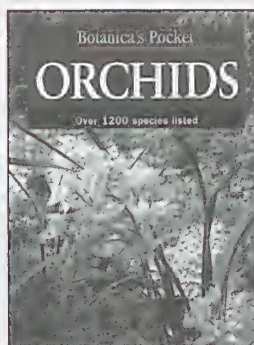
by Ross Macdonald

This is the sister volume to Cool Flowering Orchids throughout the Year. It is in the same format and style as the previous book, but also includes some genera that would require artificial heating in cooler climates. This volume covers a further 314 orchid species and hybrids with 344 colour plates. Both texts are highly recommend to all orchid fanciers; particularly newcomers who wish to see an array of delightful flowers that they could grow.

132 pp. 242mm x 168mm  
Softcover.



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## BOTANICA'S POCKET ORCHIDS

Creative Consultants: Bill Lavarack,  
Wayne Harris

Consultants: Gary Yong Gee,  
Howard Wood, Wolfgang Rysy

Botanica's Pocket Orchids is the fifth book in the highly successful Botanica's series. This superbly illustrated reference book contains a wealth of information to help every gardener grow the perfect orchid.

Authoritative and practical with easy-to-understand text, Botanica's Pocket Orchids provides comprehensive information on colour, propagation, planting and flowering. With information

on planning and selection, climate, growing conditions, watering and feeding, it is the ideal guide wherever you live.

608 pages, colour.

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## WHAT ORCHID IS THAT?

Edited by Alec Pridgeon

The orchid is one of the most passionately cultivated flowers world-wide, and for centuries it has been a symbol for the exotic and mysterious in the human imagination. As the brilliant photographs in this book show, the shapes, hues and textures of many of these extraordinary flowers continue to produce a shock of wonder in the viewer.

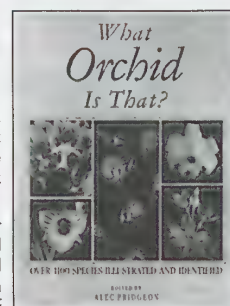
This book will delight everyone, from the gardener with a casual interest in orchids, to the confirmed enthusiast. It takes in a wide spectrum of orchid genera and more than 1100 species common in cultivation, presented by an international team of experts.

The first section, by the General Editor, Alec Pridgeon, introduces orchid habitat, distribution, names and classification, hybrids, pollination, how to grow orchids and control pests and diseases, and orchid conservation.

The alphabetical section, "Orchids A-Z", includes descriptions, names and synonyms, geographic distribution, notes on culture, and photographs drawn from collections around the world, showing the best-known species in cultivation.

Whether you are buying, growing or just looking, this is the ultimate guide to orchids.

304 pages, colour.



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## ORCHIDS IN YOUR GARDEN

How to grow orchids in the backyard

Robert Friend

It sounds too good to be true, but orchids are as easy to grow in the backyard as a lawn or a bed of roses. Despite their exotic reputation, the everyday gardener can grow orchids without special pots or greenhouses.

The book shows you how to introduce orchids into the garden, by attaching them to trees, fixing them on rocks and walls, or planting them in garden beds. With more than 150,000 species and hybrids of orchids in the world, there are plants suitable for every garden.

Robert Friend draws on a lifetime's experience with orchids to explain how to choose the right orchid for your climate and how to landscape orchids in different types of gardens. Ranging from tropical to cool climate areas, from large acreages to small courtyard gardens, almost every backyard can enjoy the best of one of nature's wonders.

144 pages, Colour and B&W.

**OUR DISCOUNT PRICE** \$A22.50  
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## LYCASTE ORCHIDS - Cultivation and Hybridisation

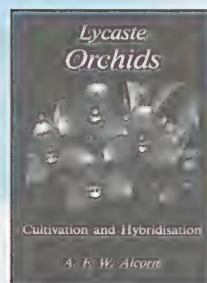
A.F.W. Alcorn

Lycaste orchids are easy to grow, and they produce flowers that range from the beautiful to the bizarre. No book previously has provided detailed cultural requirements of the lycaste, and this book should fill that gap, and encourage new growers to take up the cultivation of this beautiful genus. A section on hybridising contains valuable information on inheritance and genetics that will benefit any hybridiser, not just the grower of lycastes, as well as helpful hints on how to avoid pitfalls in your hybridising program.

Michael Hajlett, a friend of Fred Alcorn for a number of years, co-wrote this book with Fred and has completed it posthumously. He has a background in genetics, research and botany, and a passion for plants, especially orchids.

237 pages, colour and B&W.

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## GROWING PHALAENOPSIS AT HOME

James Neal

This book is essential reading and reference for any person who grows, or is intending to grow, Phalaenopsis.

Jim, in a simple and easily understood style, explains and elaborates on light conditions, watering, temperatures, fertilisers, pests and diseases.

Explanations of the way Phalaenopsis are named and the implications of growing seedlings, illustrate some of the more difficult ideas for the layman to understand.

The colour photography illustrates beautifully the topics under discussion and the orchid names are supplied, where necessary, as a caption.

The illustrations drawn by Jim's son Jamie are pertinent and succinct and make the subject more easily understood.

56 pages, colour and B&W.

**OUR DISCOUNT PRICE** \$A11.80  
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## DENDROBIUM KINGIANUM: A Unique Australian Orchid

Peter B. Adams and Sheryl D. Lawson

This book takes an innovative approach to the appreciation of an orchid species and breaks new ground in species monographs. Many of the orchid books available today take a dry formula approach to their topic and frequently present in another form information that is already available. This monograph provides an easily-read, comprehensive treatment of the species encompassing the interests of research scientists, horticulturalists, breeders and hobbyists, including beginners.

Covers history, biology, breeding, taxonomy, hybridisation, and culture. Has sections on award-winning plants, and shows how to develop specialist and competitive collections. Includes a register of over 300 significant plants.

197 pages, over 180 in full colour.

**OUR DISCOUNT PRICE** \$A74.80  
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## SARCOCHILUS ORCHIDS OF AUSTRALIA

Walter T. Upton

Sarcochilus Orchids of Australia is the first book to cover all aspects of species of the genus Sarcochilus. Compact plants of great floral beauty with ease of culture, they are mostly cool to cold growing, requiring limited space, and for these reasons are quickly becoming the orchid of the future.

The book gives each individual species a separate entry, with information on its history, synonyms, distribution, habitat, cultivation and hybrids, along with a drawing showing the main parts of the plant and

flower, plus a colour plate providing an easy means of identification.

Hybridising, including intergenerics, is dealt with in detail - most registered hybrids being accompanied by a colour plate. Other chapters include pollination, seed raising and cultural information for the home grower.

This is Walter T. Upton's third book and is a companion to his very popular and informative Dendrobium Orchids of Australia.

119 pages, colour and B&W.

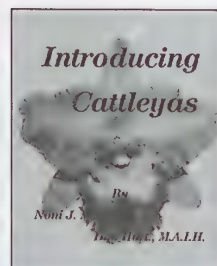
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## INTRODUCING CATTLEYAS

Noni J. Mammatt

Noni Mammatt's fascination with the Cattleya Alliance, their most beautiful blooms and extensive range of colour combinations, has prompted Noni to share the results of her own trials in successfully growing and flowering all types of this most beautiful genus under shadehouse conditions in the city of Perth in Western Australia. She hopes that as a result of her writing some new growers, as well as the experienced growers of other orchid genera, may be encouraged to introduce the Cattleya Alliance into their collections.

24 pages, B&W.



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## AUSTRALIAN TROPICAL ORCHIDS

Bill Lavarack and Bruce Gray

Compiled by two well known names in the Australian orchid world, this book is essentially a collection of 116 colour photographs depicting 109 tropical orchids, chosen by the authors as representative. There is a short introduction together with brief text complementing each photograph.

The text includes notes on distribution including a simple map, habitat types, an indication of size, flowering season, conservation status and many features of interest.

72 pages, colour.

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## ORCHIDS FOR BEGINNERS

### A Guide to Selection and Cultivation

Allison and Mark Webb

"Orchids for Beginners" is for those just starting out in orchids. It provides information about choosing orchids best suited to your conditions and how to grow them. There is advice on what to look for when choosing plants to avoid some common traps and the expense of losing plants unsuited to your conditions. The essential basics of cultivation for beginners are covered - potting media, mounting plants, repotting and deflasking as well as choosing locations and building bushhouses. There are suggestions for growing in country areas as well as indoors. The plant descriptions offer suggestions of plants to choose from as well as introducing some of the very varied forms of orchids.

48 pages, colour and B&W.

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Tree of Spotter	<i>Paph. Spotted x Paph. Tree of Jester</i>	
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I-Hsin Fancy	<i>Phal. I-Hsin Black Sentra</i> x <i>Phal. Brother Fancy</i>	W.T.Chien
I-Hsin Snow Bear	<i>Phal. Taisuco Kaadian</i> x <i>Phal. Join Diamond</i>	W.T.Chien
I-Hsin Spotted Deer	<i>Phal. I-Hsin Black Panther</i> x <i>Phal. Taisuco Kaadian</i>	W.T.Chien
Ingrid Ezmann	<i>Phal. Timbo</i> x <i>Phal. stuartiana</i>	P.Lippold
Jennifer's Pride	<i>Phal. Upperpride</i> x <i>Phal. Jennifer</i>	Orchids Ltd [MN](O/U)
Jesse Lowery	<i>Phal. Makeup</i> x <i>Phal. Brecko Rosedot</i>	Owens Orchids
Johnston's Quest	<i>Phal. Hermosa</i> x <i>Phal. Winter River</i>	Johnston's O.N.
Johnston's Rose	<i>Phal. Taida Pinlong</i> x <i>Phal. Hysa Nasu</i>	Join Orch.
Kathleen's Fairy	<i>Phal. Cool Fairy</i> x <i>Phal. Kathleen's Welcome</i>	Arnold J.Klehm
Kingfisher Goldcup	<i>Phal. Marie's Delight</i> x <i>Phal. Hausermann's Goldcup</i>	Pvan Adrichem
Kingfisher Ruby	<i>Phal. Golden Buddha</i> x <i>Phal. Carolina Red Aileen</i>	Pvan Adrichem
Leh An Princess	<i>Phal. Leh An Fantasia</i> x <i>Phal. Miva Smarissimo</i>	Chao Chan Fang
Leong Awesome Sunset	<i>Phal. Miners Bonanza</i> x <i>Phal. Ida Fukumura</i>	R.Leong
Lippepride	<i>Phal. Upperpride</i> x <i>Phal. Rich's Pride</i>	Orchids Ltd [MN](O/U)
Listoria	<i>Phal. Liseron</i> x <i>Phal. Astoria</i>	B.Rinke(O/U)
Looking Great	<i>Phal. Jennifer Matthews</i> x <i>Phal. Carmela's Spots</i>	Owens Orchids
Looking Rosy	<i>Phal. Brecko Rosedot</i> x <i>Phal. Mich's Child</i>	Owens Orchids
Looking Spotty	<i>Phal. Jennifer Matthews</i> x <i>Phal. Magic Spots</i>	Owens Orchids
Mad Ravel	<i>Phal. Mad Lips</i> x <i>Phal. Ravel</i>	Owens Orchids(O/U)
Makeup	<i>Phal. Red Lip</i> x <i>Phal. Mad Lips</i>	Owens Orchids(O/U)
Mei Dar Blackberry	<i>Phal. Sogo Black</i> x <i>Phal. Chime! Buddha</i>	N.H.Su
Mei Dar Lip	<i>Phal. Luchia Lip</i> x <i>Phal. Ace</i>	N.H.Su
Mei Dar Spark	<i>Phal. Sogo Black</i> x <i>Phal. Ho's French Fantasia</i>	Orchids Ltd [MN](O/U)
Melinda Dankmeyer	<i>Phal. Gunther Dankmeyer</i> x <i>Phal. Sharpe Melinda</i>	Orchid Alley
Memoria David Curry	<i>Phal. Hakalau Queen</i> x <i>Phal. Evangeline</i>	Hilltop Orch.
Memoria Ed Parker	<i>Phal. Matsumoto Treasure</i> x <i>Phal. Winter Frank</i>	Owens Orchids
Memoria Grady Petty	<i>Phal. Taipei Gold</i> x <i>Phal. Newberry Glow</i>	Owens Orchids
Memoria Lucille Jones	<i>Phal. ambrosiensis</i> x <i>Phal. Memoria Masami Takasaki</i>	Owens Orchids
Memoria Ronny Whitton	<i>Phal. Brother Green Bamboo</i>	Owens Orchids
Mickey Nicholson	<i>Phal. Tierra Rojo</i> x <i>Phal. Penang Girl</i>	H.Wallbrunn
Ming-Hsing White Snow	<i>Phal. Maui Snowfall</i> x <i>Phal. Cinnamon Gold</i>	Owens Orchids
Ming-Hsing Yellow Boy	<i>Phal. Taisuco Kaadian</i> x <i>Phal. Cygnus</i>	Lin Ming-Hsing
Miva Marela	<i>Phal. Brother Lawrence</i> x <i>Phal. Sogo David</i>	Lin Ming-Hsing
Miva Marka Bouchard	<i>Phal. Veitchiana</i> x <i>Phal. Zuma's Pile</i>	Michel Vacherot
Monet's Shiller	<i>Phal. Miva Bonheur</i> x <i>Phal. Miva Luxury</i>	Orchids Ltd [MN](R-I-Quene)
Monet's Spots	<i>Phal. Arlene's Hilltop</i> x <i>Phal. schilleriana</i>	Orchids Ltd [MN](R-I-Quene)
Onolide Pink	<i>Phal. Blushing George</i> x <i>Phal. Brother Danseuse</i>	Orchids Ltd [MN](ason Fischer)
Petit Port	<i>Phal. Beresford</i> x <i>Phal. Le Hocq</i>	E.Young O.F.
Pisgah Advantage	<i>Phal. White Elephant</i> x <i>Phal. Naseweis</i>	Owens Orchids
Pisgah Bounty	<i>Phal. Bonbort</i> x <i>Phal. White Tie</i>	Owens Orchids
Pisgah Cousin	<i>Phal. Fireberry</i> x <i>Phal. Cinnamon Gold</i>	Owens Orchids
Pisgah Double Gold	<i>Phal. Golden Bells</i> x <i>Phal. Golden Moon</i>	Owens Orchids
Pisgah French	<i>Phal. French Delight</i> x <i>Phal. Carmela's Spots</i>	Owens Orchids
Pisgah Kitten	<i>Phal. Pisgah Goldcup</i> x <i>Phal. Pisgah Mist</i>	Owens Orchids
Pisgah Mortality	<i>Phal. Golden Amboin</i> x <i>Phal. Holland Beauty</i>	Owens Orchids
Pisgah Music	<i>Phal. Maui Snowfall</i> x <i>Phal. Golden Bells</i>	Owens Orchids
Pisgah Nancy	<i>Phal. Taisuco Moon</i> x <i>Phal. Snow Hunter</i>	Owens Orchids
Pisgah Queen	<i>Phal. Hakalau Queen</i> x <i>Phal. Maui Snowfall</i>	Owens Orchids
Pisgah Sara	<i>Phal. Taihort Snowdian</i> x <i>Phal. Alice Sharpe</i>	Owens Orchids
Pisgah Sunbeam	<i>Phal. Golden Amboin</i> x <i>Phal. Taisuco Crane</i>	Owens Orchids
Pisgah Union	<i>Phal. Golden Bells</i> x <i>Phal. Zuma's Valentine</i>	Owens Orchids
Prince	<i>Phal. Taisuco Koehdian</i> x <i>Phal. Join Diamond</i>	Join Orch.
Princess Gold	<i>Phal. Via Goldmine</i> x <i>Phal. King's Princess</i>	Pvan Adrichem
Renoir's Spots	<i>Phal. Melinda Dankmeyer</i> x <i>Phal. Brother Danseuse</i>	Orchids Ltd [MN](R-I-Quene)
Rivendell	<i>Phal. Rivendell's Pink Pearl</i> x <i>Phal. Inderii</i>	Orchids Ltd [MN](R-Palm)
Robo	<i>Phal. Passione Giallo</i> x <i>Phal. Tangerine Supreme</i>	Hilltop Orch.
Sandy's Daddy	<i>Phal. Sandy Wells</i> x <i>Phal. Monique's Big Daddy</i>	Owens Orchids
Sara Bryson	<i>Phal. Golden Buddha</i> x <i>Phal. Carmela's Spots</i>	Owens Orchids
Southern Delight	<i>Phal. Southern Belle</i> x <i>Phal. Alysha's Delight</i>	Stones River(Lines)
Southern Jewel	<i>Phal. Southern Belle</i> x <i>Phal. Walden's Crown Jewel</i>	Stones River(Lines)
Sumaspice	<i>Phal. tetraspis</i> x <i>Phal. sumatrana</i>	A.Brachant(K.Klinge)
Sunrise Fair	<i>Phal. Hsinying Fair</i> x <i>Phal. Taisuco Rose</i>	Sunrise Biotech
Super Trouper	<i>Phal. Oriental Love</i> x <i>Phal. Tangerine Supreme</i>	Orchids Ltd [MN](R-I-Quene)
Susan Condon	<i>Phal. Abendrot</i> x <i>Phal. Florida Snow</i>	Owens Orchids
Tai Lin Redangel	<i>Phal. Tai Lin Angel</i> x <i>Phal. New Eagle</i>	Discovery Biotech
Tai Shih Ching	<i>Phal. verosa</i> x <i>Phal. Kanurangi</i>	Orchids Ltd [MN](L-Fischer)
Tai-Fan Ho	<i>Phal. Ho's Amadag</i> x <i>Phal. Litoria</i>	B.Rinke
W.T.Chien		
W.T.Chien		



NAME	PARENTAGE	REGISTERED BY
<b>PHALAENOPSIS (continued)</b>		
Wanner Hyde	<i>Phal.</i> Yukimai x <i>Phal.</i> Golden Bells	Owens Orchids
Waterloo	<i>Phal.</i> Tangerine Supreme x <i>Phal.</i> Schöne von Unna	Orchids Ltd [MnJ](R-J. Quene)
West End	<i>Phal.</i> Fifth Avenue x <i>Phal.</i> Ted's Revenge	Arnold J. Klein
White Elephant	<i>Phal.</i> Schneewittchen x <i>Phal.</i> Jumbo	Owens Orchids(O/U)
<b>PHRAGMIPAPHIUM</b>		
Fourman's Freckles	<i>Paph.</i> <i>bellatulum</i> x <i>Phrag.</i> <i>schlimii</i>	T. Fourman(O/U)
<b>PHRAGMIPEDIUM</b>		
Acker's Hare	<i>Phrag.</i> Jason Fischer x <i>Phrag.</i> Beauport	Orch.by Ackers
Beckett Vincent	<i>Phrag.</i> Grande x <i>Phrag.</i> Living Fire	E. Young O.F.
Cardinal Flight	<i>Phrag.</i> Don Wimper x <i>Phrag.</i> <i>longilobum</i>	M. LeDoux
Wadakee Sunset	<i>Phrag.</i> Barbara Lehman x <i>Phrag.</i> <i>bessae</i>	Orch.by Ackers
<b>PLEIONE</b>		
Siuslaw	<i>Pln.</i> <i>yunnanensis</i> x <i>Pln.</i> Soufriere	R. Cavender
Trask	<i>Pln.</i> Soufriere x <i>Pln.</i> Keith Ratnay	R. Cavender
Umpqua	<i>Pln.</i> <i>scopolorum</i> x <i>Pln.</i> <i>bulbocodoides</i>	R. Cavender
Yaghuha	<i>Pln.</i> Soufriere x <i>Pln.</i> <i>aurata</i>	
<b>POTINARA</b>		
Angel Sound	<i>Blc.</i> Love Sound x <i>Sic.</i> Bright Angel	W. Guillery(H & R)
Burana Angel	<i>Pot.</i> Burana Beauty x <i>Sic.</i> Bright Angel	H & R
Cupid Love	<i>Blc.</i> Peeling Love x <i>Sic.</i> Beaufort	K. Taguchi
Dark Cherry	<i>Sic.</i> Vallezac x <i>Blc.</i> Mahana Glowlight	Suwada Orch.
Debon-Enchantment	<i>Blc.</i> Marjorie Frey x <i>Sic.</i> Memoria David Vail	Ree Foster Orchids
Elaine Fallbrook	<i>Pot.</i> Blaine Miliotes x <i>Sic.</i> Fallbrook Red	John Hutchinson
Love Candy	<i>C.</i> Candy Tut x <i>Pot.</i> Hot Love	K. Taguchi
Makie Red	<i>Pot.</i> Mama Purple x <i>Sic.</i> California Apricot	Suwada Orch.
Mama Purple	<i>Blc.</i> Acumi Purple x <i>Pot.</i> Vallespin	Suwada Orch.
Misty Gold	<i>Blc.</i> Vicky Gold x <i>Sic.</i> Misty Girl	Suwada Orch.
Misty Queen	<i>Sic.</i> Misty Girl x <i>Blc.</i> Pastel Queen	Suwada Orch.
Paula x Izabella	<i>Pot.</i> Free Spirit x <i>Blc.</i> Pirate's Fortune	PeJ. Orch.(J. Jusczak)
San Diego Fantasy	<i>Blc.</i> Marjorie Frey x <i>Sic.</i> Adeilyn O'Hara	Ree Foster Orchids
Shintong Lady	<i>Pot.</i> Red Cardinal x <i>Lc.</i> Tainan City	W-C Hung
Tropical Starlight	<i>Pot.</i> Pure Vicky x <i>Lc.</i> Tropical Stick	Suwada Orch.
Yunkang Green	<i>Pot.</i> Duh's Pride x <i>Blc.</i> Ports of Paradise	Mu Yu Chang(T.Lai)
<b>PROMENEA</b>		
Cathaca	<i>Prom.</i> Norman Gaunt x <i>Prom.</i> Florafest Cheetah	N. Roper
Carnival	<i>Prom.</i> Galaxy x <i>Prom.</i> Dinah Albright	N. Roper
Clatina	<i>Prom.</i> Crawshawiana x <i>Prom.</i> Dinah Albright	N. Roper
Olinda	<i>Prom.</i> Norman Gaunt x <i>Prom.</i> Dinah Albright	
<b>RECCHARA</b>		
Snow Leopard	<i>Blc.</i> Waianae Leopard x <i>Schom.</i> <i>thomsoniana</i>	P. Storm(H & R)
<b>SEARCOCHILUS</b>		
Seamus Murphy	<i>Sarco.</i> Tibrogargan x <i>Sarco.</i> <i>hirticalcar</i>	Simpson Orch.
<b>SOPHROCATILEYA</b>		
Rosella Blues	<i>S.c.</i> Lana Coryell x <i>S.c.</i> Dal's Good One	Rosella Orchids
Rosella Gem	<i>C.</i> Memoria Jerome Shultz x <i>S.c.</i> Dal's Good One	Rosella Orchids
Rosella Rose	<i>S.c.</i> Lana Coryell x <i>S.c.</i> Memoria Ellen Littman	Rosella Orchids
<b>SOPHROLAELIOCATTLEYA</b>		
Beaumarriott	<i>Lc.</i> Marriotiana x <i>S.c.</i> Beaufort	M. Briggs(O/U)
Cheryl Brown	<i>S.c.</i> Lana Coryell x <i>Sic.</i> Golden Wax	M. J. Brown
Clive Brown	<i>C.</i> Horace x <i>Sf.</i> Orpetti	M. J. Brown
Fruit Basket	<i>Lc.</i> Cosmo-Aloha x <i>S.c.</i> <i>coccinea</i>	Kita-Cal
Mieko Ohashi	<i>Lc.</i> Cosmo-Aloha x <i>Lc.</i> Paradiso	T. Hirota
Petite Fire	<i>Lc.</i> Tropical Sunset x <i>Sf.</i> Psyche	Suwada Orch.
Pettipett Candy	<i>C.</i> Candy Tut x <i>Sic.</i> Candy Ball	K. Taguchi
Pettipett Doll	<i>Sic.</i> Pastel Fantasy x <i>Sic.</i> Candy Ball	K. Taguchi
Princess Pell	<i>Lc.</i> Shirayukihime x <i>S.c.</i> Beaufort	K. Taguchi
Red Fantasy	<i>Lc.</i> Mari's Song x <i>Sic.</i> Vallezac	Suwada Orch.
Rosella Spice	<i>Sic.</i> Mango Spice x <i>S.c.</i> Dal's Good One	Rosella Orchids(D & B. Littman)
Rosella Vice	<i>S.c.</i> Batemannianna x <i>Sf.</i> Orpetti	Rosella Orchids
Rosuko	<i>C.</i> <i>walkeriana</i> x <i>Sic.</i> Wendy's Valentine	T. Ootsu

NAME	PARENTAGE	REGISTERED BY
VANDA		
Blanca Bonetti	V. Golamco's Blue Classic x V. <i>coerulea</i>	R.F. Orchids
Crownfox Sky	V. Suksan Delight x V. <i>coerulea</i>	N. Brisehan(O/U)
Denver Deva	V. Deva x V. Pimsai	A. Enrile
Egi Sonts	V. <i>larnellata</i> x V. Gordon Dillon	Kultana
Kultana Delight	V. Madame Rattana x V. Pat Delight	Kultana
Kultana Fantasy	V. Adisak x V. Doctor Anek	Kultana
Kultana Fragrance	V. Fuchs Fuchsia x V. <i>tessellata</i>	Kultana
Natchaya Beauty	V. Princess Blue x V. Doctor Anek	Kultana
Patcharee Delight	V. Kultana Blue x V. Doctor Anek	Kultana
VASCOSTYLIS		
Crownfox Frazzle Dazzle	Vasco. Pine Rivers x Ascda. Fuchs Joy	R.F. Orchids
VAUGHNARA		
Pseudo Renmar <sup>3</sup>	Epc. René Marqués x B. <i>flagellaris</i>	A. Black
WILSONARA		
San Damiano Lamah	Otdcm. Gunter von Knebel x Oda. Fremar	J.L. Walker(Orchid House)
YAMADARA		
Blazing Star	Bepi. Phoenix x B/c. Dan O'Neill	J. & J. Selles(Cavin Yamada)
ZYGONERIA		
Zest	Z. Advance Australia x Zga. Adelaide Meadows	Adelaide
<p><sup>1</sup> Illustrated in accompanying issue of <i>Orchid Review</i> May 2003.</p> <p><sup>2</sup> <i>Phalaenopsis</i>. Barbara Hedge was accepted 19th May 1970 and omitted from the register by error.</p> <p><sup>3</sup> Originator's cautionary note: Plants are very similar to the seed parent; the influence of the pollen parent is not obvious.</p> <p>*New or new to registration, intergeneric hybrid genus with abbreviation (in square brackets after the genus name) for the following combinations: [Not present in above list] The botanical authority follows each component genus.</p> <p><b>Opharrhapis</b> [Opt.] J.M.H. Shaw <b>nothogen. nov.</b> = <i>Anacamptis</i> Rich. x <i>Ophrys</i> L. This nothogenus is required to replace <i>Orchidopsis</i> now that <i>Orchis</i> has been redefined and many species have been transferred to <i>Anacamptis</i>.</p> <p><b>Umlandara</b> [Uml.] J.M.H. Shaw &amp; R. Umland <b>nothogen. nov.</b> = <i>Brassavola</i> R.Br. x <i>Cattleya</i> Lindl. x <i>Caulanthron</i> Rat. x <i>Laelia</i> Lindl. x <i>Schomburgkia</i> Lindl. [br-gp 7].</p> <p>Natural genera new to registration: <b>Ponerorchis</b> [Pncr.] Rchb.f. (see note below);</p> <p>† Species appearing for the first time as parents in registration: <b>Bulbophyllum claptionense</b> Rolfe (see note below); <b>Catasealum galeatum</b> Lacerda; <b>Ctsm. kempii</b> Dodson &amp; R.Vasquez; <b>Ctsm. schunkelii</b> Dodson &amp; Bennett; <b>Ctsm. semi-catalatum</b> Miranda; <b>Ctsm. uncatum</b> Rolfe; <b>Cattleya nobilior</b> Rchb.f. (see note below); <b>Disa vasselotii</b> Bolus ex Schltz.; <b>Doritis byrsioniana</b> (Rchb.f.) J.M.H. Shaw (see note below); <b>Habenaria roebelenii</b> Rolfe [apparently omitted from Index Kewensis and IPNI, but published in <i>Orchid Review</i> 21: 39-40 (1913); see also <i>Orchids</i> (AOS) 70(2): 129-131 (Feb. 2001)]; <b>Ponerorchis graminifolia</b> Rchb.f.; <b>Pncr. chidori</b> (Makino) Ohwi (see note below).</p>		
<b>CORRECTIONS</b>		
<p><b>Kiegerara Pacific Shooting Stars</b> was published in <i>Orch. Rev. Suppl.</i> 110(1247): 78 (Sept. 2002) with the wrong pollen parent, please change it to read <i>Wilsonara</i> Firecracker.</p> <p><b>Miltonidium Pacific Sunset</b> was published in <i>Orch. Rev. Suppl.</i> 110(1247): 79 (Sept. 2002) with the wrong pollen parent, please change it to read <i>Milt. Honolulu</i>.</p> <p><b>Phalaenopsis Appetizer</b> was registered in error as <i>Phal. Appetizer</i> in 1982. Please amend the entry in <i>SLOH Addendum</i> 1981-1985 p. 562 accordingly.</p> <p><b>Phalaenopsis Arizona Garnet</b> was registered in error as <i>Phal. Arizona Garnet</i> in 2000. Please amend the entries in <i>SLOH 8<sup>th</sup> Addendum</i> 1999-2001 p. 529 (2002); <i>Orchid Review</i> 109 (1238); New Orchid Hybrids 11 (Mar. 2002); <i>Phalaenopsis Journal</i> 11(4): 42 (Spring 2002).</p> <p><b>Phalaenopsis Chang Maw Yellowspot</b> appears in the <i>Orch. Rev. Suppl.</i> 111(1): (Mar. 2003) as Ching Maw Yellowspot. Please correct the spelling of the first word.</p> <p><b>Phalaenopsis Cheah Yew Eow</b> appeared by error in <i>SLOH Addendum</i> 1961-1970 p.504 as Cheoh Yew Eow. Please correct the spelling.</p> <p><b>Phalaenopsis Christema Peters</b> appeared by error in <i>SLOH Addendum</i> 1986-1990 p.545 as Christena. Please add the</p>		



**Phalaenopsis Christina Louise** appeared by error in *SLOH Addendum 1999-2000* p.551 as Christina Louise. Please correct the spelling.

**Phalaenopsis Clownalley Sea Dreams** was published in *Orch. Rev. Suppl. 110*(1248): 105 (Dec. 2002) with the wrong pollen parent, please change it to read *Phal. Peach Unexpectd*.

**Phragmipedium Predator** was registered by J.L. Fischer in March 1999 with *Phrag. caudatum* as the pollen parent. This pollen parent should be changed to read *Phrag. warszewiczianum* as this taxon is now recognised as distinct from *Phrag. caudatum*. Please correct the entry in *SLOH Addendum 1999-2001* p. 667. This is the unfortunate consequence that *Phrag. Wössneri* (Twist (Sept. 2001)) becomes a later synonym of *Phrag. Predator*, and the *Addendum* p. 669 should be amended accordingly.

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## REGISTRAR'S NOTES

### Brassavola - changes to accepted species

Following the treatment proposed by Withner, *Cattleyas* 5: 31-68 (1998), *B. cordata* Lindl. has been replaced as a grex parent by *B. subulifolia* Lindl. and *B. grandiflora* Lindl. is accepted as separate from *B. nodosa* (L.) Lindl. This means that *B. grandiflora* has been accepted as a grex parent for *B. Madosa* (1998); *Bc. Louise Bugbee* (2002); *Bc. Rosy Dawn* (1961).

### Bulbophyllum claptoneense Rolfe

This taxon has been treated as a synonym of the variable and widespread *Bulb. lobbilii* Lindl. by J.J. Vermeulen in *Orchids of Borneo* 2: 239 (1991). It is here accepted for registration on advice from Leslie Garay who takes a more critical approach to species within *Bulbophyllum* s.l. It is treated as *Bulb. lobbilii* var. *claptoneense* by Siegerist in *Bulbophyllums and their allies* 112-113 (2001), but I have not yet been able to trace validating publication for this combination. Furthermore, no attempt to describe these varieties or indicate their application to cultivated material is made by Siegerist, other than to indicate that 'Cass Lake' belongs to var. *nettesiae*.

For the purpose of registration the cultivar 'Kathy's Gold' is regarded as representing *Bulb. lobbilii* var. *lobbilii*, while the name *Bulb. claptoneense* has been applied by the registrant to a plant with a prominent bulging callus, and half-moon depressions on the lateral lobes, which characters contrast with the general pattern of *Bulb. lobbilii* variants with a small light spot within a surrounding ring of a darker colour, which is either raised or sunken very slightly. The picture of the clone named *Bulb. claptoneense* supplied with the registration application is very similar to the plant illustrated in J.J. Vermeulen in *Orchids of Borneo* 2: plate 18D (1991). This nomenclatural application is subject to verification pending further research.

### Cattleya citrina replaced by Epimedium citrinum

The name *Cattleya citrina* (La Llave & Lexarza) Lindley has long been used for a well-known Mexican orchid which is better placed in *Encyclia* or *Euchile*. As these last two genera are not yet accepted for registration by APOR, this leaves the option of adopting the name *Epimedium citrinum* (La Llave & Lexarza) Rchb.f. for registration. See Dressler & Pollard, *The genus Encyclia in Mexico*, 2nd ed., p.82-83 (1976); McVaugh, *Flora Novo-Galicaria* 16: 87, 89-90 (1985); Withner, *Cattleyas* 5: 138-139 (1998). Consequently, the following registered grexes have had their parentage changed and many have also changed nothogenus.

Previous name	New nothogenus	Previous name	New nothogenus
<i>Lc. Beverly Beach</i> (1983)	<i>Epic.</i>	<i>Lc. Freak</i> (1913)	<i>Epic.</i>
<i>C. Butleri</i> (1911)	<i>Epic.</i>	<i>Bc. H. G. Alexander</i> (1907)	<i>Vinra.</i>
<i>Bc. Calypso Belle</i> (1987)	<i>Yam.</i>	<i>Epic. Hilda</i> (1978)	<i>Epic.</i>
<i>C. Canary</i> (1921)	<i>Epic.</i>	<i>C. Ivory Bells</i> (1977)	<i>Epic.</i>
<i>Lc. Canary</i> (1914)	<i>Epic.</i>	<i>C. Judith Ann Sellmeyer</i> (1969)	<i>Epic.</i>
<i>C. Clitiform</i> (1971)	<i>Epic.</i>	<i>C. Lamberhurst Hybrid</i> (1887)	<i>Epic.</i>
<i>Bc. Citrina</i> (1920)	<i>Bpl.</i>	<i>Epic. Marina</i> (1970)	<i>Epic.</i>
<i>Bc. Citron Bell</i> (1990)	<i>Yam.</i>	<i>Bc. München Seventy-Eight</i> (1981)	<i>Yam.</i>
<i>Lc. Deception</i> (1930)	<i>Epic.</i>	<i>Bc. Peritima</i> (1983)	<i>Bepi.</i>
<i>Epic. Denia Dawn</i> (1993)	<i>Epic.</i>	<i>Lc. Seraph</i> (1896)	<i>Epic.</i>
<i>Bc. Ethyle</i> (1979)	<i>Vinra.</i>	<i>C. Shakersi</i> (1904)	<i>Epic.</i>
<i>C. Frank Sellmeyer</i> (1969)	<i>Epic.</i>		

### Cattleya nobilior Rchb.f. is accepted as distinct from C. walkeriiana Gardin.

This follows the treatment by Fowle, *The Brazilian bilobate Cattleyas and their color varieties*, 55-62, 66-68 (1977); Braem, *Cattleya 1: The Brazilian bilobate Cattleyas* : 58-61, 88-92 (1984); Withner, *Cattleyas* 1: 100, 125-126 (1988); Betche, Cribb & Launert, *Manual of cultivated orchid species* 103 (1992). This adjustment requires the parentage of the following grexes to be amended, *Lc. Ann Akagi* (1991); *C. Musette Burton* (1997).

### Dendrobium Kimilsungia

Periodically the registrar receives queries about this plant. The name is widely used in North Korea for a hybrid *Dendrobium*

derived from *Den. Ale Ale Kai* x *Den. Pompadour*, which grex was originally registered as *Den. Clara Bundt* by the originator in 1964. This plant was also named Kimilsungia by Indonesian President Sukarno, in honour of Kim Il Sung of North Korea on the occasion of his visit to Indonesia in April 1965. It is not clear to the registrar whether the name Kimilsungia applies to the grex or a cultivar derived from it. There is also a similarly named grex, *Den. Kimilsung Flower*, which is derived from *Den. Ale Ale Kai* x *Den. Lady Constance*.

### Doritis pulcherrima var. buyssoniana nom. inval.

Christenson (2001) in his *Phalaenopsis monograph* p. 229-230 supplies interesting information leading to the acceptance of *Phal. buyssoniana* Rchb.f. at specific rank. Until now this plant had been treated in registration as *Doritis pulcherrima* var. *buiyssoniana*, however this combination has not been validly published. As the Registration Authority is advised by APOR to retain *Doritis* for the time being, pending a full published molecular investigation of this group, the next step forward is to identify grexes registered with var. *buiyssoniana* as a parent. In order to do so legitimately requires the validation of a new combination: ***Doritis buyssoniana* (Rchb.f.) J.M.H. Shaw comb. nov.** Basionym: *Phalaenopsis buyssoniana* Rchb.f. in *Gard. Chron.* 2: 295 (1888).

The following grexes, all in *Dips.* unless noted otherwise, have been identified with *Doritis buyssoniana* as a parent.  
Anne de Bryne (1971) Dots. Frederick (1988) Memoria Clarence Schubert (1965) Sherry (1961)  
Belvedere Beauty (1966) Fire Glow (1962) Pinkie (1971) Shirley James (1974)  
Bonita (1965) Honeymoon (1966) Profusion (1961) Siam Ruby (1983)  
Brilliance (1991) Ladda Beauty (1977) Purity (1968) Snowy Jewel (1979)  
Carrie Hanson (1992) Madras Beauty (1967) Rose Gleam (1962) Spring Beauty (1961)  
Diane Rigg (1970) Malibu Queen (1970) Seletar Pink (1984) Tan Swee Eng (1973)  
Dorthea Yen (1975)

### Laeliocattleya dormaniana Rolfe replaced by Cattleya dormaniana (Rchb.f.) Rchb.f.

This plant is well known as an atypical *Cattleya* because some clones produce an extra two or four rudimentary pollinia, which prompted the speculation by Reichenbach that it was a natural hybrid of *C. bicolor* x *L. pumila*, an idea that has since been abandoned. Recognition of this taxon as a *Cattleya* species is long overdue in registration and the database has now been amended to reflect current thinking as expressed by Fowle, *The Brazilian bilobate Cattleyas and their color varieties* 12-17 (1977); Braem, *Cattleya* 1: 30-32 (1984); Withner, *Cattleyas* 1: 51-52 (1988). Curiously, this taxon had been entered in the database as a grex, rather than a natural hybrid or species, and consequently the possibility remains that some may have synthesised the artificial hybrid *C. bicolor* x *L. pumila*, then concluded that it should be named *Lc. Dormaniana* and subsequently used it as a grex parent for a registered hybrid. Anyone who knows of such a hybrid being used as the parent of a registered grex, is requested to contact the registrar with details so that the register can be amended.

Please note that the artificial grex resulting from *C. bicolor* x *L. pumila* was named *Lc. Binotii* in 1901 (*Orchid Review* 1901: 304, 326) and hence can not bear the name *Lc. Dormaniana*. It was first known from a natural hybrid plant imported by Peeters of Brussels (*Gardeners Chronicle* 1900, 2: 370; *Orchid Review* 1900: 357).

### Phalaenidium Tsiae - a further note

This interesting plant is mentioned in Christenson, *The genus Phalaenopsis - a monograph* : 57 (2001) where it is said to be derived from 'plants of *Phal. braccata* (as *Kingidium naviculare*) hybridised in Japan in the early 1980's with plants thought to be *Phal. hainanensis*'. Only in the index (p. 322) do we find both the nothogenus *Phalaenidium* and the name *Isae* attributed to Hashimoto, although p. 57 explains that this name was tentative and informal, meaning that it did not meet the criteria for valid publication under the ICBN. It appeared in *New Hybrid* (Japan) 3: 40-41 (1984). Because of its interest and limited availability in the West, a translation of Hashimoto's original article by Yoko Otsuki is provided below. (This translation is also due to appear in the *Phalaenopsis Journal* along with comments from Christenson.) There has been speculation that this plant represents *Phal. stobartiana*, which Christenson considers 'unlikely'. A plant under this name is illustrated in *Die Orchidee* 46(6): 235 (1995) as the cultivar 'Tahitian Dancer' which clone Christenson appears to refer to *Phal. stobartiana*.

Whatever the identity of the plants illustrated and cultivated under the above names, Akihiko Hashimoto of Kumamoto, Japan states that he received the original *Phalaenidium Isae* from the wild in southern China and took it to be a natural hybrid of *Kingidium naviculare* with *Phal. hainanensis*, under which parentage it has been registered at present. In addition Akihiko Hashimoto was responsible for naming his two clones 'Green Goddess' and 'Tahitian Dancer', which apparently have been used in Japan to breed small-flowered green *Phalaenopsis* hybrids. The nothogenus *Phalaenidium* had already been published by Garay and Sweet in Withner, *The Orchids, Scientific Studies*: 531 (1974).

The registrar would like to thank Toshinori Tanaka and Yoko Otsuki for help with the above.

**Kingidium naviculare and a new intergeneric hybrid** by Akihiko Hashimoto. (Translated from Japanese by Yoko Otsuki, Oxford, UK. Originally published in *New Orchids* (Japan), 8: 40-41 (1984).)

"It is known that *Phalaenopsis wilsonii* and *Phal. hainanensis* are found in China. I would like to report some observations on *Phal. stobartiana*, which is treated by some as a synonym of *Phal. hainanensis*.

*Phalaenopsis stobartiana* was reported by Reichenbach in 1877 in *Gardener's Chronicle* as a species from unknown habitat, and a coloured illustration of it is shown in 'The *Genus Phalaenopsis*' 1980 by Sweet. It is deciduous, with the leaves absent when it flowers; many flowers are produced in raceme, similar but smaller than *Phal. wilsonii*; the midlobe of the lip is navicular, with a keel on the centre.

*Phalaenopsis hainanensis* was reported by Tang *et al.*, as a new species in 'Acta Phytotaxonomica Sinica' in 1974, its typical specimen represents the same taxon as collection no. 27597 which was collected by S. K. Lau on Mt. Bao-Dian, P'ai-Sha in Hainan 1936, and is also kept in the Herbarium at Harvard University. Sweet thinks that this specimen is the same as *Phal. stobartiana*. Recently a new species has been found for which I am preparing the name *Kingidium naviculare* Ixi. This is deciduous, with green tepals, and a purple lip with a keel on the mid-lobe, this fits Reichenbach's description of



1877 mentioned above; its tepals are a beautiful apple-green. Thus, some people say that *K. naviculare* and *Phal. stobartiana* are the same.

Between 1981 and 1982 I managed to obtain material *K. naviculare* among specimens of *Phal. hainanensis*. I also obtained two rather interesting individuals. They were sent as if they were a single plant with their roots tangled. Perhaps they grew in the same colony. Their lips are almost the same as *Phal. hainanensis* and *Phal. stobartiana* (fig 3.4) but there is a trace of a spur on the lips (fig 5) and four pollinia, which differs from *Phalaenopsis*. The colour of tepals is from green to greenish-dark purple. I suppose they are midway between *K. naviculare* and *Phal. hainanensis*. A lateral view of *Phal. stobartiana* illustrated by Reichenbach has a spur or curve. I begin to think that this represented the type specimen and that the species which I describe could be the same taxon. Unfortunately the botanical museum in Vienna, where the specimen was held, was burnt during the war.

Burbridge thought in *The Garden* 22: 118-119 (1982) that this species was a variation of *Phal. wrightii*, and today it is placed under *K. delicatum* (Reichb.f.) Sweet; but I still think that it is possible that *Phal. stobartiana* is a natural hybrid. As it may be difficult to prove whether the plant I received is a natural hybrid or the true *Phal. stobartiana*, I would like to name it *Phalaenidium* (Tsiue for Mr. Tsi). The plant resembles *Phalaenopsis* as a whole, but the flower colour is close to *Kingidium*. This plant could be useful in the breeding of green-tinted *Phalaenopsis*. [Translation by Yoko Otsuki, February 2003. Note that the original photographs have not been reproduced here.]

#### **Phragmipedium Grande**

There appear to be two different grexes grown under this name. The original *Phrag. Grande* is *Phrag. caudatum* x *Phrag. longilobum* with a basically green flower and a little red-bronze or mahogany colouring on the pouch. It is illustrated in Reichenbach 2nd series, 3: 116 (1892) which plate is reproduced in *Die Orchidee* 44(6): 284 (1993). The other grex is *Phrag. warszewiczianum* x *Phrag. longilobum* for which the registered name *Phrag. Wössner-Grande* is available. This grex produces flowers which are much darker in colour with more mahogany-red on the pouch, cf. illustration in *Die Orchidee* 44(6): 296 (1993). Probably, this confusion has arisen because *Phrag. warszewiczianum* was at one time registered as *Phrag. caudatum* var. *warszewiczianum*. Anyone registering a grex involving a parent labelled *Phrag. Grande* is requested to check its identity please.

#### **Phragmipedium Fireworks**

This grex was registered as *Phrag. pearcei* x *Phrag. Grande*, but appears to have been made using the dark red *Phrag. warszewiczianum*-derived plants. Its parentage should therefore be recorded as *Phrag. pearcei* x *Phrag. Wössner-Grande*. *Phrag. pearcei* tends to "wash out" colours in hybrids, rather than intensify them. The registrar would like to thank Robert Quene of Orchids Limited (MN) for help with the above two items.

#### **Ponerorchis [Pnc.] Rehb.f.**

While verifying the species names used in *Orchis*, it was discovered that two species from Japan had, in the past, been included in the register which would be better treated under *Ponerorchis*, a genus that is new to registration in *Genera Orchidacearum* 2: 354 (2001). Cribb notes that *Chusa* has been included with *Ponerorchis* by Verrill, but molecular studies have suggested that it may be better kept separate. Recently, in *The Alpine Gardener* 291 (Sept. 2002) Cribb and Penner related that while *Ponerorchis* has been regarded as congruent with *Gonolobus* B. & C. due to mistaken observation of the viscidia in preserved specimens, new molecular studies should be regarded as valid. They further comment, "All species ascribed to the genus *Chusa* Neskei are best placed in *Ponerorchis* Rehb.f., a genus that predates *Chusa*." The two species in question are *Orchis nipponica* (Miq.) Schltr. which is now *Pnc. graminifolia* Rehb.f. and *Orchis chidori* (Makino) Schltr. which is now *Pnc. chidori* (Makino) Schltr. As a consequence the grex registered in 1956 as *Orchis Suzu-chidori* now becomes *Ponerorchis*. Subsequently, it transpires that *Suzu-chidori* is the Japanese vernacular name for the hybrid *Pnc. graminifolia* x *Pnc. chidori*, a hybrid that is also known from the wild.

#### **Establishment of new cultivar epithet.**

##### ***Eulophia andamanensis* 'Pretty Green Bay'**

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Julian M. H. Shaw, RHS International Orchid Registrar.

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# Watering, My Memory Guide

By Ron Boyd

**A**h, easy you say, you only just have to water them all at once and the problem is solved! Some say to pick up the pot and if it feels light, it's dry, great if you have a fantastic memory to remember the wet/dry weight of every pot in your orchid house.

I do not use a hose but a two litre watering can with a rose spray head attached, this may seem slow but it makes sure each pot receives the right amount of water. How many a seedling have you had die because you over watered or not watered them at all.

I like to use rainwater when it is available, but have to rely on town water most of the year. I store this in 20 litre plastic buckets for at least one day; this helps to get rid of all the additives they use in the town water supply.

This is my Watering Memory Guide, as we grow older and grow more orchids in different size pots, different species that have different watering requirement, etc. The problem of when I watered each lot last arises, especially for me. To overcome this problem I work on a system of tags, designated for each lot of orchids I am growing. I deflask and grow lots of seedling orchids; they need constant attention to their watering needs for the first year. In summer they need watering every one to two days, constant misting on hot days to keep the foliage damp as their root system has not developed enough to supply water needs from deep down in the potting mix.

In summer, orchids of say, 50 mm pots may require watering every day. Other orchids in 80 mm pots maybe every two to three days, other bigger size pots maybe on a four or five day's cycle. I try to group each pot size together to make watering easier; I group all the 80 mm pots of slipper orchids (*Paphiopedilum*) together as it also makes watering easier to remember. These groups are given a tag showing a day last watered and last fertilised on.

I made these tags out of old aluminium gold coloured blind, picked up cheaply at a recycle depot. I have cut them at about 100 mm in length, drilled a hole near one end and made up a ring out of 2.5 mm galvanised tie wire. I put seven of these pieces onto each wire circle and write the seven days of the week on them, i.e. Monday, Tuesday, etc. I then hang them close to the group of orchids that they refer too. On another wire circle I put a tag with "Fertilise last watering day" on one side and on the other side "Fertilise next watering day". These I find help me greatly in trying to remember each group or different

size pots I water every day. Finally I put one tag on a wire circle and write the name of the orchid that they refer too.

Then the hardest part is now remembering to turn each tag over after watering or fertilising, this I try to do on each group as I water. It may not be fool proof, but saves me a lot of worry and so far I have not lost a plant to over or under watering since I started using this system.

There is on the market, a "Moisture Probe" that measures the degree of moisture in the soil. Plant nurseries and farmers

use them with great success, but maybe OK on the more compact Cymbidium mixes, but the other more open types of mixes may cause a problem trying to get accurate measurement. I hope I have been able to pass on a few tips that may make your hobby of growing orchids easier and more enjoyable. Cheerio and good growing.

**Ronald Boyd**  
34 Hillside Cr.

Kianga NSW 2546.  
Email: rosy@acr.net.au

## Stawell Orchid Society Inc. Workshop

Well, what a day it was! I consider it to be one of the best 'orchid' days I have had while I have been involved with orchids.

I'm referring to the workshop we held in Stawell recently, if you didn't attend then you certainly missed the opportunity to hear two of the best speakers I have ever heard.

We were privileged to have as guest speakers Ray Clement and David Banks, their knowledge of all things associated with orchids and plants in general is unbelievable, the friendly, down to earth, easily understood talks were enjoyed by all, the slides were fascinating and members of 16 Orchid Societies in

attendance were fortunate enough to also buy many of their spectacular plants.

After the luncheon provided by the Stawell Orchid Society patrons participated in 'Question time' and many problems were solved by our learned guests.

Later that night 56 orchid growers enjoyed an evening meal at a local hotel, a great way to end a very enjoyable day. Our thanks to Ray and David for visiting our club and making the day such a huge success, we all look forward to their return in two years time.

**John Welsh**  
President



Part of the large audience at the question and answer session held at the end of a day of lectures and slides



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## Cattleyas

Winter is now approaching at a great rate. In other words the shortest day is not far away! By now your catts should have been moved from the shade house to the glass house. If you do not have a glasshouse, try to move them to some form of cover for the winter months. You could pull some solar weave over your shade house for the winter, but be sure the roof has a slope or the cloth will belly when it rains!

By now your autumn flowering plants will have finished blooming. You can give your plants a soaking with your favourite organic fertiliser. I would suggest, to start with, two applications at full strength, one week apart. You could use GARDEN PARTY, NITROSOL, FISH EMULSION, SEASOL or the all new MAJOR CARP. Watering will now have to be reduced. Water when plants are just dry. This is usually around once per week, and only in the morning on sunny days. When you water make sure you give your plants enough water to flush the excess salts out of the mix. This is very important during the cooler winter months. Most cattleyas are semi dormant during the winter so *do not over fertilise or over water*.

If you are new to growing this wonderful genus, be aware that a lot of the winter flowering plants will need a little extra care during winter. This usually means that the plants would like a house with a minimum night temperature of around 10 degrees C. When buying new plants, ask the nurseryman when the plant should flower.

As most growers use bark as a medium to grow their plants in, they now find it is getting harder to find a supply and most importantly – the cost has gone up. Qloxynti Pty Ltd have been doing research on the use of sintered scoria as a potting media. I believe they have been running trials on its use for orchids. I will let cattleya growers know all about it when I have the relevant information.

## Cymbidiums

By now, all of us will have had a few plants in flower. In Sydney there were very few blooms around for Mother's Day. Some of the early flowers were of excellent quality, while others, especially the intermediates were of doubtful quality. Its amazing, some years there is a good flush of bloom for Mother's Day, while other years there is little around. The bottom line is that we must progress by breeding more earlies, and that means we have to buy more seedlings! NOT CLONES!

Now is the time to keep all of the racemes nice and straight up to the first bud. I do not like to wire up the buds to the apex. It seems to make the flowers look unnatural.

You can use Nic-Co-Rols or nice green bamboo stakes and use the larger butterfly clips to fasten the racemes to the stake. Nothing looks better than a nicely presented cymbidium in full bloom. That is, the raceme well staked to be shown in all its beauty.

Watch your watering. Do not overwater. Water weekly. If you water weekly, it is a good idea to make the off week watering a fertiliser watering day. use a high potassium fertiliser such as HSO 12 or MERRI-FERT. You can also

give your plants a foliar application of K-D-L every couple of weeks. This will give your plants blooms that little extra colour, size and texture.

Watch for aphids. They can be a problem once the flowers start to open. There are many sprays that you can use to control them. CONFIDOR® seems to work well, and I believe there have been no report on phytotoxicity.

Now is the time to start thinking about your compost that you will be using later this year. If you make your own mix from untreated bark, wood shavings or any wood residual product you will have to compost it. Otherwise you could suffer nitrogen draw down. It is a good idea to get your ingredients together over the next few weeks to start your heap. One of the easiest mixes to start with is to use wood shavings (DO NOT USE TREATED PINE SHAVINGS) as the base ingredient. Mix in some chook manure at a rate of five parts wood shavings to one part chook poo. Dampen and mix in well. The adding to each cubic metre of shavings add 5kg dolomite, 1kg C-A-N. If possible add 1kg of iron sulphate. Mix well – dampen and cover over with a sheet of plastic. Turn over in a few weeks time and redampen. After eight to ten weeks you can use this as a base to make up your favourite mix.

## Australian Natives

Winter is a fairly quiet time in the native bushhouse. Growth has slowed, except for

developing racemes. There are many terrestrials in bloom but only a few dendrobiums flower over the winter months in the cooler regions.

Repotting should be left for warmer weather but now is the time to prepare, get new pots or wash those from last year. The danger in reusing pots is that diseases can be passed on to the new occupant, but if the plant was healthy, why not? I wash my pots in soapy water and rinse them in a bleach solution before leaving them in the sun to dry. I then put them at the back of the shelf where they can sit sometimes for years before being used again. If a plant is obviously diseased, such as with a virus, just destroy the plant, media and pot.

Organise your media for repotting. This gives any additives you use time to mix in. If you treat your own pinebark now is a good time to set yourself up in the sun to pick out any unwanted material and to get it soaking so it will be ready in a few months when it is needed.

Check your plants to be sure developing racemes aren't tangled up in leaves or growths. Keep doing this as they develop. Remove the remains of old flowers if you haven't already. Snails and slugs are the biggest pests at this time of year. They chew a chunk out of the side of the stem leaving it with a nasty kink, or worse, only the bottom flowers develop.

Be sure to keep up the water in any covered houses. It is easy to forget them during wet spells, but they don't get any rain and the plants can suffer if left out to dry too much. Also be on the lookout for mealy bugs and other pests



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## CULTURAL NOTES

of dry conditions. Keeping plants on the dry side is a way of helping them survive cold weather and many natives of tropical origin need a dry season anyway. Tubs of water can help maintain humidity.

Water your plants early in the day to leave plenty of time for them to dry out before the cold of night. On the subject of water, as I write this, much of eastern Australia is still suffering from a severe drought. There has been some rain but not nearly enough in the right areas. Water supplies in Sydney and other cities and towns are far from secure. This is a good time for growers to do what they can to help ensure their orchids will have water next summer if the drought continues. Rainwater tanks are now allowed in many areas and clean rinse water from the washing machine can also be used. However, be aware that these can be contaminated by pollution or fabric softener and detergents which may kill native orchids. If you can be sure the water is clean it will save money from your water bill in the long term, and your orchids in the case of restrictions. Large tanks of water make good heat banks in a heated house. They heat up during the day and remain warm for sometime — dependent on their size and the temperature reached.

General care during winter includes keeping the plants protected from frost. Many natives survive temperatures a little below 0°C but will get "scorched" leaves if frost is allowed to settle on them. Damaged leaves won't recover so cut them off. Be on the lookout for plants with waterlogged media that doesn't dry out. Root rot can kill them. But don't let the media dry out too much either as ants, slaters and other pests can move in, and the plants don't get much benefit when they are watered as it doesn't soak in.

## *Paphiopedilums*

*Paphiopedilum* hybrids are well into their flowering season. Most of the whites and early greens will be in flower, together with some of the coloured varieties. Many of the modern hybrids, particularly those with spotted flowers, will not flower until spring. Flower quality depends upon several factors; those under your control at this time of year are watering, feeding, staking and light.

During winter *paphiopedilums* do not require frequent watering. Whilst the actual frequency will depend upon the weather, the type of housing and the state of the potting mixture, you must resist the temptation to pick up the hose unless the plants are moderately dry. When you do water, water early on a sunny day and water thoroughly. After every third or fourth watering allow the plants to drain for half an hour or so and then water with weak Aquasol (about half strength).

Staking is important if you want to avoid asymmetrical flowers. Try to encourage the stems to grow upright from the start. You will be able to support the growing stem with a loose tie a couple of inches or so below the bud. When the stem is fully grown and the bud is about to open, lean the pot forward about fifteen degrees or so and keep it in this position until the flower has been open about a week; this will cause the flowers to "look up" a little.

Adequate light is very important for quality flowers. If at all possible the amount of shading should be reduced considerably from mid-May until early September. This will result in larger, brighter flowers and longer — yes, longer — stronger stems; the plants will also benefit by continuing their growth cycle, albeit at a slower rate, through the winter months.

Although potting is best left until spring, any plant which is not doing well should be repotted into fresh mixture as soon as it is noticed, no matter what the season. If the roots have rotted away, dip the "bare rooted" plant in Fongarid and stake it firmly.

As a general rule the green-leaved hybrids can be grown quite well in cold conditions provided they are protected from heavy frost. Those with heated glasshouses do not need more than about six degrees centigrade, although young seedlings will benefit from somewhat warmer conditions. *Maudiae* types are really warm growers and require about fifteen degrees to do well.

## *Phalaenopsis*

**Watering:**— Water only in early mornings every three or four days depending on the weather. If possible, water mainly in pots and not the foliage. Do not allow water to remain in the crown overnight as this can cause rot. Avoid watering at all on cold or bleak days.

**Light:**— Still require more shade than other genera; can be reduced to 70% during winter.

**Fertiliser:**— Reduce to once per fortnight, alternating between —

(1) Inorganic low nitrogen — Campbells A, Aqua K or Phostrogen.

(2) Wuxall Nitrosol or Fish Emulsion.

**Pest Control:**— Spray with fungicide every 6 weeks, e.g. Daconil, Ridomil MZ WP or Mancozeb with Kocide.

Use Diazanone, Malathion or Pyrethrum to control scale and insects.

Keep a close watch for mites and treat with a miticide as required.

Wettable Sulphur may also be used as it is both a fungicide and a miticide.

## *Vandaceous*

**Watering:**— Cut back on watering during cooler months. Depending on local conditions, a good watering every three days should be sufficient. Water only in mornings. Avoid watering at all on cold or bleak days.

**Light:**— Strap leaf vandas and *ascocendas* require 50% shade. If you wish to move narrow leaved vandaceous plants (i.e. terete and semiterete vandas, *Mokaras*, *Arandas*, etc.) from a shade house to full sunlight, then now is a good time to move them.

**Fertiliser:**— Reduce fertilising to once per fortnight alternating between —

(1) Inorganic low nitrogen — Campbells A, Flowfeed HP8, Aqua K or Phostrogen.

(2) Wuxall, Nitrosol or Fish Emulsion.

**Pest Control:**— Spray with a fungicide every 6 weeks e.g. Daconil, Ridomil MZ WP, Mancozeb or Wettable Sulphur.

If insects or scale are a problem spray with Diazanone, Malathion or Pyrethrum.

Watch for mite damage (i.e. Red Spider, false spider, etc.) and treat with a miticide such as Kelthane or Tediol.





# Cymbidiums

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## Editor's Report

With the *Cymbidium* flowering season well under way and the show season almost upon us, we *Cymbidium* growers are entering the most rewarding, interesting and busiest time of the year. Hopefully the weather will continue to be kind to us and our efforts to grow our plants as well as we can will reward us with plenty of quality flowers. Whatever our level of interest in cymbidiums is, there is always plenty to look forward to at this time of the year.

For those of us who grow seedlings, whether in their hundreds or just a few to try our luck, there is always the hope that this season will see a really good one (or two) flower for us – perhaps a real champion, a pretty flower, or an unusual result. There is so much variety in cymbidiums and so many different tastes among us there surely has to be something for everyone. Our satisfaction may come from achieving a better than average flowering from our favourite mericlone, or from growing and flowering all of our cymbidiums better than ever before. For the hybridist, either amateur or professional, seeing the results we plan and hope for materialise in those first flowerings of a cross may be our ultimate reward. After all, it can be a long wait for five or more years from making a cross to seeing the first results bloom and every hybridist hopes that wait has been worth it.

Perhaps the ultimate reward for all *Cymbidium* growers is the pure and simple pleasure gained from being among our plants and flowers, tending to them, enjoying their beauty and relaxing in the peace and quiet. There is something very soothing and fulfilling about just being among and

working with growing plants which washes away the stresses of our frantic and troubled world. With the added variety, beauty, complexity and uniqueness of cymbidiums is it any wonder they are so popular.

In this issue Helen Stretch, ACS President and Registrar, dons her Registrar's hat to provide us with Part One of a two part series featuring the most recent ACS awards as judged by a variety of panels from around the country, whether at major shows or at monthly meetings. David Allen has prepared the show schedule for the 2003 National Cymbidium Show to be held at Ararat, Victoria, this coming September. For accommodation and tourist information contact Ararat & Grampians Visitor Information Centre accommodation booking service on **1800 657 158** or email to [tourinfo@ararat.vic.gov.au](mailto:tourinfo@ararat.vic.gov.au). Rob Smith shows us a range of *Cym. madidum* hybrids that won't take up all the space in our shade houses. Bill Johnson gives us all the important facts about his newly developed software program for *Cymbidium* hybrid parentage that is completely up to date and available now and which will also have regular updates in future. Dean Roesler continues his series on Little Aussie Beauties bred from *Cym. suave*, and from the United States of America, Grant Cole provides a short report of the last Santa Barbara Orchid Show. A profile of the contribution made to cymbidiums, and to orchids in general, by Kevin Brown who was recognised recently by a presentation of a prestigious RHS award. Congratulations Kevin!

Noe Smith  
Editor.

## Editorial Panel



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## HOW TO JOIN A CYMBIDIUM CLUB IN YOUR STATE

### CYMBIDIUM CLUB OF AUSTRALIA INC.

Meetings are held on the 2nd Thursday of each month (except December, January and February)

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Venue: Lakemba Chapter Remembrance Hall,  
220 Lakemba Street, Lakemba,  
Sydney, N.S.W.

For further details contact

Secretary, Peter Moore,  
10 Stephanie Street,  
Padstow, N.S.W. 2211

Phone: (02) 9721 0572

President, Geoff LeMare,  
Phone: (02) 9449 9648

### CYMBIDIUM CLUB OF SOUTH AUSTRALIA INC.

Meetings are held on the 4th Wednesday of each month (except December and January)

Auditorium open from 7.00 p.m. —

Beginners' Group commences 7.20 p.m.

Main Meeting commences 8.00 p.m.

Venue: Burnside Community Centre,  
401 Greenhill Road, Tasmore, Adelaide, S.A.

For further details contact

Secretary, Graham Shevlin,  
22 Australian Avenue,  
Clovelly Park S.A. 5042

Phone: (08) 8276 7652

President, Ray Brady,  
Phone: (08) 8254 7136

### THE CYMBIDIUM ORCHID CLUB OF WESTERN AUSTRALIA INC.

Meetings are held on the 3rd Monday of each month (except January and February)

Benching of plants commences 7.15 p.m.

Popular Vote commences 7.50 p.m.

Main Meeting commences 8.00 p.m.

Venue: Belmont Sports & Recreation Club,  
Abemethy Rd, Belmont, W.A.

For further details contact

Secretary, Marilyn Thomas,  
17 Broula Road, Kalamunda, WA 6076

Phone: (08) 9293 0524

President, Nado Lenkic  
Phone: (08) 9293 3196

### THE CYMBIDIUM ORCHID SOCIETY OF VICTORIA INC.

Meetings are held on 2nd Tuesday of each month (except January)

Popular Vote commences 7.50 p.m. —

Main Meeting commences 8.00 p.m.

Venue: Mt. Waverley Youth Centre,  
Millers Crescent, Mt. Waverley, Victoria.

For further details contact

Secretary, Kevin Brown,  
4 Riviera Street, Mt Waverley, Victoria 3149

Phone: (03) 9808 1224

President, Ken West,  
Phone: (03) 9725 7513



# Santa Barbara International Orchid Show 2003

Text and Photography by Grant Cole

The Santa Barbara International Orchid Show got off to a normal start. The theme was, "*It Had To Be Orchids*". This perplexed many of the exhibitors who attempted to meet the theme with musical and motion picture memorabilia included in their displays. The management said that a number of vendors and exhibitors had to be turned away for lack of space. I did observe that there were no blank display spaces as in other years.

My wife, Pat, and I put in a table-top display this year. It adjoined the large floor display (over 100 square feet) put in by Tony Velardi and Ron Hill of Mariposa Garden. Tony and Gina Velardi had Ray Dix of New Zealand as their house-guest. Ray provided some much needed and welcome assistance with the Velardi and Mariposa display. Across the showroom, Mike and Mary

Curran of our local group from Orange County put in a magnificent display of pendulous cymbidiums.

Although our displays failed to garner any great acknowledgements, we had a most enjoyable time in our endeavour to do so. This was not the case for our friend from Northern California, Elinor 'Weegie' Caughlan. Weegie is a frequent winner at Santa Barbara, and this time was no different. Weegie won the Grand Champion with an extraordinary flowering of *Cym.* Pearl Dawson 'Gray Day'. That wasn't all. Weegie also won the Reserve Grand Champion with an outstanding division of *Cym.* Ichu Tower 'Trinity'.

Our friend, Loren Batchman, had an interesting display of all first blooming cymbidiums. In the display was a most unusual plant with multiple peloric seg-

ments in a cross of *Cym.* (Gilgamesh x Phreague).

The event climaxed with the Cymbidium Society of America Congress and Santa Barbara Show Awards Banquet. We shared our table with; (seated left to right in picture) Paul and Janet Gripp, Grant and Pat Cole, Gina and Tony Velardi, Ray Dix and Lyn La Rochelle who took the picture.

The surprise of the evening came when Tony Velardi asked Ray Dix to come to the podium and then presented Ray with the coveted CSA Hudlow Medal for Achievement. The overwhelmed Mr Dix managed to recover and provide us with a few gracious words of thanks.

Grant Cole  
1012 Groveland Avenue  
Whittier, California USA

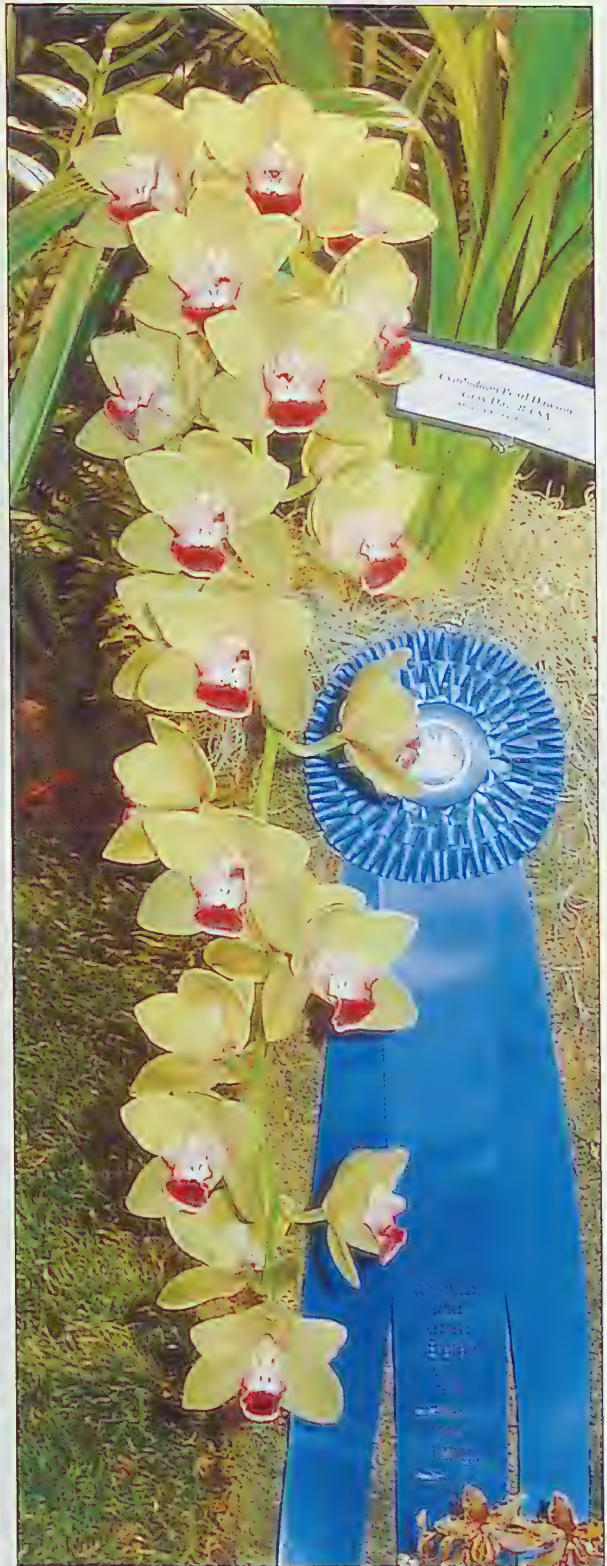


Seated Left to Right; Paul and Janet Gripp, Grant and Pat Cole, Gina and Tony Velardi and Ray Dix – Picture taken by Lyn La Rochelle





Reserve Grand Champion was *Cym. Icho Tower* 'Trinity', owned by Elanor 'Weegie' Caughlan



Grand Champion of the Show was *Cym. Pearl Dawson* 'Gray Day', owned by Elinor 'Weegie' Caughlan



# Royal Horticulture Society Award

At the April meeting of the Cymbidium Orchid Society of Victoria (COSV) the President of the Royal Horticultural Society of Victoria, Colin Gray, presented the COSV Secretary, Kevin Brown, with the 'John Pascoe Fawcner Silver Medal' the second highest award given by the RHSV for outstanding service to horticulture.

In making the presentation Mr Gray said that Kevin had been the Secretary of Melbourne Eastern Orchid Society for five years, the Orchid Societies Council of Victoria for two years, the Australian Cymbidium Society for three years, and the Cymbidium Orchid Society of Victoria since its formation 12 years ago.

Kevin's interest in orchids began in the early 1980's and he subsequently joined the Melbourne Eastern Orchid Society. He served on the committee and was elected Secretary in 1988 and continued in this role until 1993.

In 1991, well known *Cymbidium* grower, Terry Poulton, called a meeting of 15 *Cymbidium* growers to discuss forming a *Cymbidium* club. A few days before the meeting Terry phoned Kevin and invited him to join the group and said, "Bring your pad and pen." This meeting led to the formation of the Cymbidium Orchid Society of Victoria, with Kevin as its Secretary and, 12 years later, he is still taking his 'pad and pen' to the meetings. In those 12 years the COSV has gone from 124 members to 187 members with an average attendance of 90 at monthly meetings. Kevin was instrumental in negotiating the terms and conditions of successful shows at Ararat, the Como Shopping Centre, South Yarra and more recently at The Glen Shopping Centre, Glen Waverley.

In 1993 Kevin decided to hand in his secretary's badge at Melbourne Eastern and the following year was elected Secretary of the Orchid Societies Council of Victoria (OSCOV) a position he held for two years.

When the *Cymbidium* societies of South Australia, New South Wales and Victoria held a meeting in 1995 to discuss the formation of a national *Cymbidium* body, Kevin again attended with his 'pad and pen'. The Australian Cymbidium Society (ACS) was formed with Kevin as the Secretary and during his three years at the helm he spent many hours negotiating with the Department of Justice to get the name approved and subsequent incorpora-



Kevin Brown being presented with the John Pascoe Fawcner Silver Medal for outstanding service to horticulture by Colin Gray, President of the Royal Horticultural Society of Victoria.

tion together with the constitution of the new society. He recently retired as the Public Officer for the ACS, a position held since 1995.

It was in the year of 1996 that the inaugural National Cymbidium Orchid Show (sponsored by the Rural City of Ararat) was held in Ararat. COSV was the host club and Kevin, wearing two hats as Secretary of both the national and state bodies, was one of the main instigators of the huge success the show was.

Since 1996 Kevin has been the liaison between COSV and The Rural City of Ararat, the major sponsor of the very popular and highly successful *Cymbidium* Orchid Festival, as well as being the 'behind the scenes director'. Kevin's dedication to duty was evident in 2000 when he and his wife, Lois, decided to take their caravan and see Australia. Three and a half months later they arrived home at Mount Waverley just in time to unhook the caravan and head to Ararat for the Festival much to the relief of the committee members.

During his multi-secretarial duties, Committee members were highly amused when Kevin read out the correspondence from OSCOV, COSV or ACS as he was writing letters to himself.

With over 30 years of experience in administration/accounting, Kevin goes about his secretarial duties in a quiet, business like manner. In 1996 the then presi-

dent of the ACS, Graham Guest, wrote in his annual report... 'In Kevin Brown we have a quiet achiever, a Secretary who has ensured that the business of our Society has been attended to with expertise and flair.'

The habit of being the first Secretary of a new club started way back in 1960 at Lake Bolac, Victoria. Visitors to the Lake Bolac Bowling Club will see Kevin's name up on the honour board as the first Secretary of the club. At that time the club was in its formation stage of constructing greens and a clubhouse, etcetera, but he was transferred in his job before play commenced.

In his spare time Kevin is a member of the COSV judging panel, the East Burwood Probud, and is Secretary/Treasurer of the Elders Retired Officers' Association of Victoria with a membership of 280 and, of course, tends his 600+ cymbidiums.

## Award Background:

The Royal Horticultural Society of Victoria (RHSV) was founded in 1849 by John Pascoe Fawcner and known at the time as the Horticultural Society of Victoria. In 1850, trial grounds were established in association with the Burnley Horticultural College. Later, in 1885, the Royal Charter was bestowed on the Horticultural Society of Victoria by Queen Victoria and it became the Royal Horticultural Society of Victoria. In the time since 1886 various societies were formed under the umbrella of the RHSV and, currently, most societies and garden clubs are affiliated with the RHSV. Over the years, several medals have been struck by the RHSV to honour exemplary service to horticulture. The A W Comedown Medal is awarded for outstanding design of a display at a major horticultural show. Other medals include the S S McKay Medal that is awarded by garden clubs and societies for best exhibit at their shows or for aggregate points attained over a year of exhibiting in monthly competitions held by a garden club. The RHSV Gold medal is awarded only to RHSV members for outstanding and distinguished service to the Royal Horticultural Society. The John Pascoe Fawcner Medal, named in honour of the society's founder, is awarded to members and affiliated club members and society members for service to horticulture. The Royal Horticultural Society of Victoria upholds and continues its aims of promoting amateur horticulture throughout the state of Victoria, to hold meetings, conferences and seminars, to be the voice of amateur horticulture, to promote floral art work, and to recognise achievement in and service to horticulture via the presentation of medals and citations, etcetera. ■



# “Little Aussie Beauties”

## A look at *Cymbidium suave* hybrids

### Part 2

By Dean Roesler

In Part Two our journey takes us further into the world of the “Little Aussie Beauties”. We take another look at the *Cym. Koala* cross, especially the variety ‘Bear’ which received an award in the mid 1990’s. We compare flower-colour variations frequently seen in *Cym. suave* hybrids and discuss what causes them. Then finally we look at the growth habit of the hybrids.

#### *Cym. Koala* ‘Bear’ CE/CCSA

As far as I can ascertain this was the first of the 1st generation *Cym. suave* hybrids to be granted a quality award. It received a Commendation for Excellence (CE) by the Cymbidium Club of South Australia (CCSA) on 21st October 1996. This award was granted to cymbidiums that set the highest standard for their colour and size class. Sadly Miles Seton had passed away before this award was granted. I’m sure it would have given him much pleasure if he could have witnessed such recognition of his work.

Prior to this award another *Cym. suave* hybrid had been granted a CE by the CCSA. It was given to *Cym. Sweet Devon* ‘1103’ owned by Keith Northcote – in this case a primary hybrid from the crossing of *Cym. suave* with *Cym. devonianum*.

When I look closely at *Cym. Koala* ‘Bear’ its *Cym. Fiona* parentage is reflected both in shape and lip markings. No doubt, the colour is influenced by its grandparent *Cym. Negrito* ‘Cherry Ripe’.

#### Colour variations

Having observed *Cym. suave* hybrids over a period of time, I have come to the conclusion that considerable colour inconsistency of the flowers can and does occur from year to year. The reason for much of this variation can possibly be attributed to seasonal disparities. Remembering that these hybrids flower between late September through to December when higher light factors can change colours dramatically. During this series of articles I will demonstrate visually the changes documented in different flowerings of the same variety.

Two pictures each of three varieties of *Cym. Koala* are featured in this issue and they show the dramatic difference that can



Note the intense colour of a fresh, single flower of *Cym. Koala* ‘Bear’ when compared to those in the picture below.



A full spike of *Cym. Koala* ‘Bear’, showing flowers much lighter in colour than the picture above because they had faded due to lack of extra protection from strong light



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This picture shows the colour of *Cym. Koala* 'Blinkey Bill' when flowered under normal light



Here we see the dramatic change which occurred when *Cym. Koala* 'Blinkey Bill' was flowered under strong light. Note the heavy overlay on the petals and the exaggerated lip markings

be achieved under varying light factors. The first example is the single flower of *Cym. Koala* 'Bear', a fresh flower it is much darker than those on the full spike that had been out for much longer and had not been given extra shade to stop the colour from fading.

On one of the *Cym. Koala* 'Blinkey Bill' flowers the brushing on the petals and extra lip markings are the result of a later flowering time and exposure to more sunlight. The single flower of 'Cutie' when compared with the full spikes once again gives a spectacular example of two different flowerings.

#### Growth habit

After monitoring a reasonably large population of *Cym. suave* hybrids some interesting remarks can be made about their growth habit. For instance, one or two grexes are considerably different than what is perceived as "normal".

Generally, bulb shape is more conventional, although the elongated and thin shape of *Cym. suave* is often carried through to a lesser degree. The leaves are generally dark green, narrow, thin and wiry. Interestingly enough leaf tip die-back which is more prevalent in South Australia than the other Australian states is

rarely seen on these hybrids.

Observing the *Cym. Koala* grex, I've come to the conclusion that there are two distinct growth habits amongst the six or seven varieties in my collection. For the most part they display typical *Cym. suave* type features – described previously. However two varieties 'Cuddles' featured in the April/May issue of AOR and 'Bear' remarked on earlier in this article show all the attributes of conventional type miniature cymbidiums.

Dean Roesler  
20 Lawson Road  
Kalbeeba, SA 5118



An even more spectacular example of colour variation is shown here, when the full spikes of *Cym. Koala* 'Cutie' are compared with the single flower of 'Cutie'.



*Cym. Koala* 'Cutie'



# Fleurijn Orchids-Holland – Van Schaik's – Bio Gro 2003 National Cymbidium Orchid Show

held in conjunction with the  
**Australian Cymbidium Orchid Festival**  
13th and 14th September 2003

The annual visit to Ararat for your spring season *Cymbidium* fix is again on the horizon. Ararat has played host to a major *Cymbidium* event since 1996 and will again be host to the largest spring showing of cymbidiums in 2003. This unique event is a must see show for all orchid enthusiasts.

This is the largest Show Schedule offered for a single genus anywhere in the

world with 105 classes for cymbidiums and exhibitors present many varied and imaginative displays that will be a highlight at this year's National show.

Ararat is the Gateway to the Grampians National Park and the surrounding areas have numerous tourist attractions with several places of interest to visit. It is a well-known wine region and, in combination with the National Show event,

would make an outstanding destination for a holiday break and it is hoped you can travel to Ararat to join us on this great social weekend.

For more information you can telephone David Allen on (03) 9789 1501. Bookings for the National Show dinner, held on the Saturday night 13th September, can be made through the COSV Treasurer, Henk Morren on (03) 9763 7278.

## Champion

<b>Grand Champion Of Show</b>	\$500 + Sash
(Plus Flora Laboratories will Mericlone the Champion Orchid of the Show for the Winner – 6 Flasks Provided)	
<b>Reserve Champion Of Show</b>	\$250 + Sash
<b>Champion Large Flower</b>	\$150 + Sash
<b>Champion Intermediate</b>	\$150 + Sash
<b>Champion Miniature</b>	\$150 + Sash
<b>Champion Specimen</b>	\$150 + Sash
<b>Champion Novelty</b>	\$150 + Sash
<b>Champion Cut Stem</b>	\$150 + Sash
<b>Champion Seedling Large Flower</b>	\$150 + Sash
<b>Champion Seedling Intermediate</b>	\$150 + Sash
<b>Champion Seedling Miniature</b>	\$150 + Sash
<b>Best Display By A State Club</b>	\$250

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(Sponsored By Australian Cymbidium Society)
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Geoff Miller P/L Sandringham Vic

**Most Innovative Display by a State Club** \$250  
**Champion Display** \$250 + Purple Sash

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Gold Sash	\$150
Silver Sash	\$100
Bronze Sash	\$75

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Silver Sash	\$100
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## Medium Display

<b>Sponsored By</b>	CCA
	RSL – Ararat
	Ararat Colonial Motor Inn – 03 5352 4644

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Silver Sash	\$100
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## Small Display Incorporating A Theme/Artistic (2mt X 2mt And Under)

<b>Sponsored By</b>	Ezi-Gro Orchids WA
	Dean Roesler SA
	B & T Ferns & Orchids Vic

Gold Sash	\$100
Silver Sash	\$75
Bronze Sash	\$50

## Small Display (2mt X 2mt And Under)

<b>Sponsored by</b>	Plant-It-Rite
	Sage Horticulture – Cheltenham Vic
	Garden City Plastics Vic

Gold Sash	\$100
Silver Sash	\$75
Bronze Sash	\$50

All Sashes, Ribbons and Prize Cards sponsored by Collectors Corner – Orchid World



# Australian Cymbidium Society Awards

## Part 1

The first awards ratified following the introduction of the ACS awards system were published in the December 2001/January 2002 edition of the AOR. Part one of this series from Helen Stretch, ACS Registrar and President, follows on in

order of date ratified from those first published awards. The next issue of the AOR/Cymbidiums Australia will bring Part Two and bring us up to date with all the current ACS awards.



**Cym. John Wooden 'New Era' HCC/ACS.**

(Red Beauty 'Netty' x Solana Beach 'St Francis').

Hybridiser: A Easton.

Registered by: Santa Barbara Orchid Estate.

Awarded an HCC (76 points) to Kevin Butler.

Eleven large blooms, 120mm across were carried on one raceme. Colour is soft pink and the labellum carries a broad red band. The plant judged was a seedling exhibited on its first flowering.



**Cym. Ken Gorey 'A Summer Place' HCC/ACS.**

(madidum x Ora Lee).

Hybridiser: Orchids Unlimited.

Registered by: N Lenkic.

Awarded an HCC (76.4 points) to Stephen Thomas.

A plant of four flowering sized bulbs carried four racemes when awarded, one raceme not open (36 flowers) and 99 open flowers on three racemes, 37, 30 and 32. Shapely and well formed green blooms with red throated yellow labellums were carried on decorative arching spikes.



**Cym. Keith's Pet 'Karrinyup' CE-OC/ACS.**

(Sussex Dawn 'Dorothy May' x Tom Thumb 'Pet').

Hybridiser: Not stated.

Registered by: Stephen Thomas.

Awarded a Certificate of Excellence for Outstanding Culture to Stephen Thomas.

A clean and well cultured plant carrying eight racemes of 20 blooms each. The intermediate sized blooms measured 76mm in width. Colour is a clear green while the labellums carry a broad red vee pattern over a clear white background.





**Cym. Betty Court 'Spirit' CE-DF/ACS.**

(Canterbury 'Coburg' x *devonianum* 'Coburg').

Hybridist: Not stated.

Registered by: Not stated.

Awarded a Certificate of Excellence for Distinctive Feature to Ian Gilmore.

A three bulb plant carried two racemes and a total of 73 flowers when awarded. Flowers coloured an unusual grey/pink with maroon spotting on all segments with heavier maroon spotting on the labellums.



**Cym. Khan Flame 'Tuscany' AM/ACS.**

(Cronulla x Yowie Flame).

Hybridist: Bryants Orchids.

Registered by: Bryants Orchids.

Awarded an AM (81 points) to Kimberley Orchids.

A mature robust plant carrying two racemes with a total of 24 flowers. Overall flower width 113mm. Flower colour an intense and vibrant dark red/brown, even across all segments. Labellum white, heavily banded solid crimson with crimson spotting extending up the cheeks and toward the mid-lobe.



**Cym. Louie's Pride HCC/ACS.**

(Dag x Hazel Tyers).

Hybridist: Clive Halls (Mt Beenak Orchids).

Registered by: Alois Friess.

Awarded an HCC to Alois Friess.

Well formed flowers coloured caramel yellow with dark red/brown splashes. Labellum colour cream with a broad red bar. (Raceme and flower count not recorded).



**Cym. Khan Flame 'Redwood Park' AM/ACS.**

(Cronulla x Yowie Flame).

Hybridist: Bryants Orchids.

Registered by: Bryants Orchids.

Awarded an AM (80 points) to Kimberley Orchids.

A mature plant carrying two racemes of 13 and 15 flowers respectively. Overall width 100mm. Shapely flowers of an even pink colour across all segments. White labellum, banded red.





***Cym. Kirby Lesh 'Kristy' HCC/ACS.***

(Red Beauty x Pink Champagne).

Hybridist: A Easton.

Registered by: Torrance Cymbidium Society.

Awarded an HCC (78 points) to Kimberley Orchids.

Two racemes carried when judged, 12 flowers open on one raceme, second raceme none open. Flower width 121mm. Full shaped blooms with white base colour, striped and blushed pink. White labellum heavily banded in maroon.



***Cym. Ruby Valley 'Hooly Dooly' HCC/ACS.***

(Valley Regent x Ruby Eyes).

Hybridist: Mills Orchids.

Registered by: A Canala.

Awarded an HCC (78 points) to Alec Canala.

Intermediate sized blooms of 71mm in width carried on a small seedling of two green bulbs and two back bulbs with one 60cm tall raceme of 15 flowers. Typical of this hybrid the flowers are coloured a deep crystalline red/purple with a white labellum carrying a very dark red bar.



***Cym. Kimberley Wilderness 'Savannah' HCC/ACS.***

(Cronulla x Alegria).

Hybridist: Kimberley Orchids.

Registered by: Kimberley Orchids.

Awarded an HCC (78 points) to Kimberley Orchids.

Two racemes of 120mm wide flowers. Ten on one raceme, 11 on the other. Colour a clear ice green with a well proportioned white labellum carrying a broken maroon bar.



***Cym. Sleeping Carmen 'Waikanae Ice' HCC/ACS.***

(Red Beauty x Sleeping Dream).

Hybridist: Norm Porter.

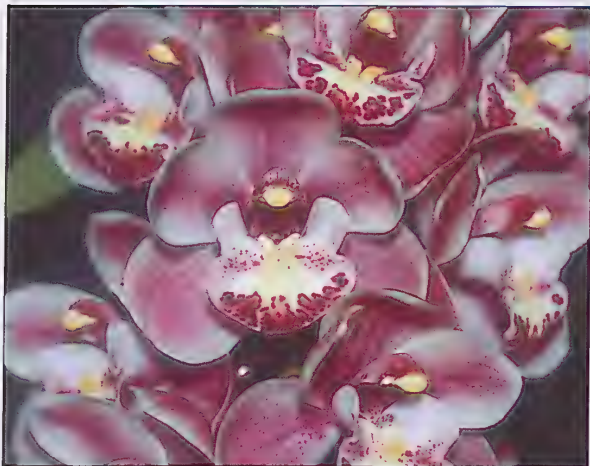
Registered by: Norm Porter.

Awarded an HCC (76 points) to Phil Grech.

Ice green pure colour flowers with white labellums spotted yellow with broad segments and good size (width 110mm). Three racemes carried on plant as judged.

Note: While the RHS lists this hybrid as the result of the listed parents, current opinion is that the parentage is in fact incorrect. Whatever the true parentage may be in no way detracts from the quality of the flowers or the cultural expertise of the award recipient. ~Reference: A Easton, AOR Vol. 63, No. 6, December 1998).





**Cym. Little Sarah '153' HCC/ACS.**

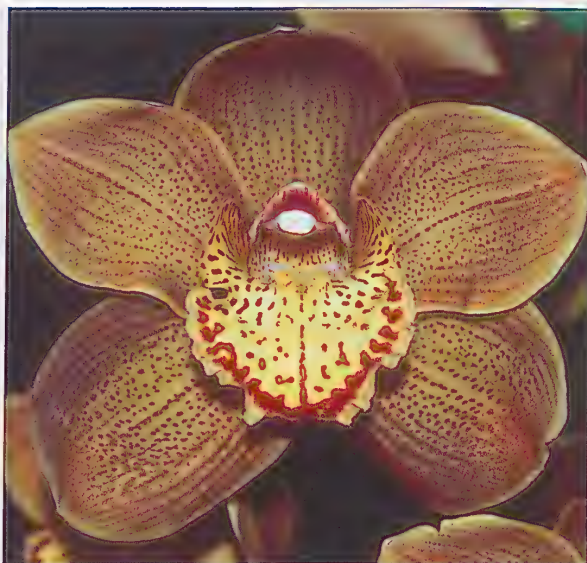
(Sweetheart x Sarah Jean).

Hybridist: Paradisia Orchids.

Registered by: Paradisia Orchids.

Awarded an HCC (76 points) to Paradisia Orchids.

Twenty-five blooms of 50mm in width carried on two pendant racemes on a small plant. Flower colour predominantly mid-pink over white producing a halo effect on petals and sepals. White labellum with pink overlay and dark pink spotted bar.



**Cym. Valley Chestnut 'Warrior' CE-DF/ACS.**

(Pure Jungle x Valley Furnace).

Hybridist: Valley Orchids.

Registered by: Valley Orchids.

Awarded a Certificate of Excellence for Distinctive Feature to Murray Weston.

One raceme of nine good sized and well presented flowers carried on a tall spike presented erect. Award for intense colour and spots and stripes over both petals and sepals. The striking white, yellow and red banded and spotted labellum highlighting the striking flowers.



**Cym. Rotorua 'Spellbound' CE-DF/ACS.**

(Ngairé x Volcano).

Hybridist: Valley Orchids.

Registered by: Valley Orchids.

Awarded a Certificate of Excellence for Distinctive Feature to Paradisia Orchids.

Plant carrying three green bulbs all showing strongly variegated foliage. One raceme of eight flowers showing heavy feathering and splash effects on petals and sepals. An unusual mericlone mutation combining peloric type flower markings and colour variegation of foliage.



**Cym. Pepper's Fire 'Carnival' CE-DF/ACS.**

(Winter Fire x Claude Pepper).

Hybridist: Dean Roesler.

Registered by: Bill Bailey's Orchids.

Awarded a Certificate of Excellence for Distinctive Feature to John and Mary Harris.

Presented as a well grown plant carrying five racemes with three fully open. Particularly well defined peloric feathering over a soft pink base colour on all petals. Sepals a strong mauve/pink. A shapely labellum features a yellow centre and broad purple/red band.



# An Orchid Database for Cymbidiums

Text by Bill Johnson and Rob Smith

[Editor's note: Many *Cymbidium* growers and orchid enthusiasts in general would remember how exciting the prospect of a conversion of all the data on orchid registrations from book form to CD was. The RHS transfer of Sanders to disk for use in computers provided a relatively easy, quick and simple access to all hybrid registrations up to 1998. Unfortunately, there is no prospect of any update of that system being released and any registrations post-1998 have to be found in the printed inserts included in various orchid publications, via downloads from the RHS web site, or via the five-yearly publication of Sanders volumes. Now, at least for *Cymbidium* growers (and a few other popular genera as explained later) a simple to use, cost effective and regularly updated database has become available – developed by Bill Johnson and marketed through Glenwood Orchids. Noë and I became aware of the work Bill was doing to develop a suitable database a few years ago and had looked forward to its becoming available ever since. Having now had the opportunity to trial Bill's database, in the *Cymbidium* version, we prevailed upon Bill to answer a few questions and give a brief explanation of its development and capabilities.]

**Q:** Bill, what prompted you to undertake such a daunting project?

**A:** When I began to dabble in *Cymbidium* hybridising some 30 or so years ago it was obvious that a knowledge of the genetic history of my stud plants was essential. The only alternatives were Sanders' lists (five years behind) and Frank Slattery's little booklet which was also out of date before it was published.

**Q:** Given that, what changed – and when?

**A:** Trying to delve into the past was a slow, tedious, time consuming job but then, around 1978, along came the personal computer and with them the need to learn a programming language. Of course back in the 1970's database programs were scarce, as was space on an eight-inch floppy disk. A program called DataStar was acquired and, as I became more proficient with it, it slowly dawned on me that there might be a means by which existing

*Cymbidium* names and their related parentage names could be entered onto a computer disk and then, from that data, create a "family" tree. Eventually I "enticed" DataStar to produce a family tree – not much faster than could be done by hand mind you – but it worked, and that crude effort was the start of a long journey to a fast, simple to use computerised orchid name database. The journey was repeatedly interrupted by several bouts of computer obsolescence until the release of Microsoft's Access database, more memory, larger hard drives and faster CPU chips.

**Q:** If the early developmental years of home computer systems meant that you had to begin the project from scratch, on more than one occasion, until Microsoft Access became available, then how difficult was it to switch to another system?

**A:** The release of MS Access meant learning a further new system but, luckily, I had had adequate practice on the various Microsoft BASIC languages and could make sense of the Visual Basic language attached to MS Access. The first version for Access was fairly simple and fitted on a 3.5-inch floppy, and a few copies were released to friends, but then, as Access was improved, the system was expanded to such a size that it could no longer fit on a floppy disk. However, the advent of CD burners meant that others could have access to the database that was by now almost 5MB in size.

**Q:** What about the long-term future of your database now?

**A:** Unlike orchid name books a database can be updated – buy it once and, providing computer systems are never made obsolete, it will continue to operate. So, if you have the need for a database containing every grex name, and those of their parents, that also produces a three or four generation family tree faster than you can blink, allows alphabetical searching on the grex, pod parent and pollen parent names and produces a list of all the crosses by a particular grex, then it is now available. Furthermore, all new names can be entered by the user or automatically updated from a bi-monthly update service. The database is menu-driven. A few mouse clicks is all that is needed to perform most tasks. The following screen shots illustrate a few examples of the various forms by which the system is operated:

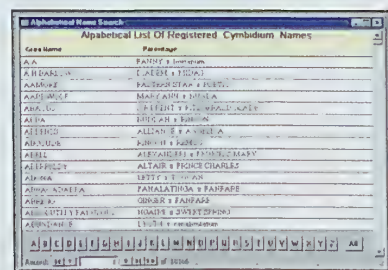


Fig. 1: The main menu controls the entire system. The sub-menus control the various operations.



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Other functions include the ability to produce a list of all crosses bred from a specific clone – it simply requires you to enter the name of that clone and a printable listing of its progeny is produced in an instant. If a print out of all the registered names is absolutely necessary then that is also possible, but I would advise against it as it is a very large print out and will take a very long time. Although I originally produced this, and another database on Australian Native Dendrobiums, for Glenwood Orchids some years ago, others sought a copy so I have arranged with Glenwood to produce and distribute copies. Because Microsoft upgrades their software regularly (at great expense to we Aussies) these

databases are available only for Access97 and Access2000 at this time. Versions for later releases of Access will depend upon demand (and the cost of any program upgrade accumulating in my wallet). If any user upgrades to a new version of Access then, usually, an option is provided for the existing version of Access to be retained. However, if and when Glenwood have acquired any new version of MS Access an upgrade offer will be available for a moderate fee.

**Q:** What is needed in terms of hardware to run the system?

**A:** Obviously a suitable copy of either of

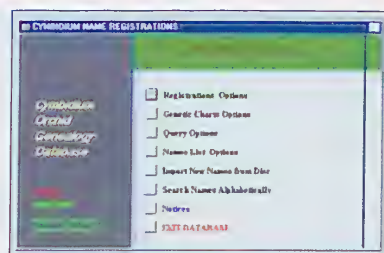


Fig. 2: Searching the database alphabetically on either the grex, pollen or pod parent is simple – just click on a button.

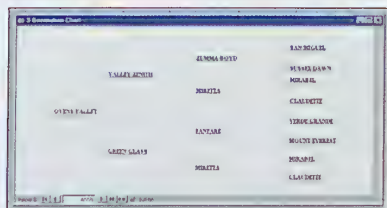


Fig. 3: Family trees can be produced as shown and then printed. A series of charts from progeny of a single grex can be printed.

the above versions of Microsoft Access, plus an IBM PC with a Pentium 1 or later CPU, 16MB of RAM (32MB or greater is recommended), a 14-inch colour monitor capable of at least 800 x 600 pixels, and a CD drive. Although the *Cymbidium* database contains 11,000 grex names it only needs 5MB of space. Virtually any computer made in recent years would provide a capacity well beyond these basic requirements.

**Q:** What about updates Bill, so the usefulness of the database can be maintained into the future, and what sort of price would an interested *Cymbidium* grower be looking at?

**A:** Those who have access to e-mail can use Glenwood's update service for \$10.00 per annum. If a floppy disk service is required then postage cost must also be added. Glenwood Orchids produce the CD's and enquiries should be addressed to them. Price per CD is \$A60.00 plus a postage cost of (currently) \$5.00. I have almost completed work on databases for *Disa*, *Masdevallia*, *Sarcocylus* and *Zygopetalum* for Glenwood. Unfortunately, since I have absolutely no further desire to type hundreds of thousands of names I will not be attempting to create databases for the *Cattleya* Alliance, *Phalaenopsis* or *Paphiopedilum*.

For further details contact Glenwood Orchids Pty Ltd (see their advertisement in this issue for contact information).

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- C. *Cym* (Gilded Angel x Tracey Reddaway) 'Autumn Sun' x (Cronulla x Via Del Playa) 'Full Shape' Polychrome Std
- D. *Cym* (Gilded Angel x Tracey Reddaway) 'Autumn Sun' x mastersii White/Yellow Int
- E. *Cym* Gladys Whitesell 'The Charmer' x Mem Bill Quinn 'Henderson' White/Green Int



**Cym (Cronulla x Via Del Playa) 'Full Shape'**

- F. *Cym* Golden Elf 'Sundust' 4N x Olymilum 'White Elf' 4N White/Yellow Int
- G. *Cym* (Lancashire Rose x Claude Pepper) 'Red Nose' x Kiwi Beauty 'Full Globe' Pink Std
- H. *Cym* Lone Star 'Mr Scott' x Winter Wonder 'Icicle' White Std
- I. *Cym* Mem Andy Warhol 'True Spirit' x Olymilum 'White Elf' 4N White/Green Int
- J. *Cym* Mem Andy Warhol 'True Spirit' x Thelma Robinson 'Old Gold' Yellow/Green Int



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# *Cym. madidum* Hybrids

Text and photography by Rob Smith

Most *Cymbidium* growers are familiar with the Australian native *Cymbidium* species *Cym. madidum* and the feature considered its major drawback as a subject for culture or as a stud plant – the large size of its vegetative growth. While it's true that *Cym. madidum* produces among the largest, if not the largest, bulbs and leaves of all *Cymbidium* species and that many of its hybrids inherit this particular trait, there are *Cym. madidum* hybrids that are much more manageable in terms of plant size due to the dominance of the other parents used in various crosses.

To some growers the sometimes mammoth dimensions of *Cym. madidum* hybrid bulb and leaf growth isn't a factor and they will happily find the space for a number of such plants, but many growers either aren't willing or able to find the space necessary for more coarse-growing cymbidiums. As most *Cym. madidum* hybrids produce attractive flowers that are usually carried in profusion on quite long and strong spikes it's a pity that the vegetative size is often a deterrent to their popularity.

For those who find a certain beauty in the blooms produced by such hybrids, there are a number of available grexes that have inherited most of *Cym. madidum*'s positive traits while exhibiting reduced plant size. The following hybrids are some that we have had experience with and which may provide the opportunity to enjoy some of these attractive and rewarding plants without having to sell a large part of a collection or build a new orchid house in order to accommodate them.

## *Cym. Sunshine Falls* 'Green Fantasy' and 'Butterball'

Both clones of this hybrid of *Cym. (madidum x King Arthur)* are often available in the trade. The clone 'Green Fantasy', as its name suggests, carries blooms coloured a crisp clear green highlighted by white labellums blotched and banded in red. Flowers are around 40mm across and are quite shapely and are carried in good numbers on strong arching spikes. The clone 'Butterball' is generally thought to be a tetraploid (4n) and carries shapely yellow-green (grelow?) blooms with near concolour yellow labellums. Spikes are somewhat shorter than those of its sibling 'Green Fantasy' and the flowers are spaced more closely. Both are vigorous and floriferous plants and are well worth growing. We have found both clones can



*Cym. Mad Irishman* 'Juan Diaz'.



*Cym. Doctor Len* 'Dusty'.





*Cym. Nickelodeon Queen 'Cutie'*

flower between September to November, depending upon seasonal factors.

#### ***Cym. Phar Lap 'Geyserland'***

Along with the clone 'Geyserland' there are several other varieties of *Cym. Phar Lap* available from time to time. Made by Mr Andrew Easton, this hybrid of *Cym. (Flame Hawk x madidum)* is another accommodating plant of moderate size and vigorous growth. A 200mm pot can usually accommodate a plant of eight or more growths and produce six to eight spikes at one time. Spike habit is arching to semi-pendulous and 20 or more 40mm deep pink-red blooms are carried per inflorescence. Various clones of *Cym. Phar Lap* appear to breed quite readily and hybrids are often available. We've sourced numerous *Cym. Phar Lap* hybrids and other hybrids based on *Cym. madidum* from Kevin Butler's Ezi-Gro Orchids nursery in Western Australia. Kevin has a keen interest in hybrids based on the Australian Cymbidium species and is an avid and imaginative hybridiser himself.

#### ***Cym. Pee Wee***

This hybrid of *Cym. (madidum x pumilum)* produces among the smallest growing plants that include *Cym.*

*madidum* genes. *Cym. Pee Wee* can vary in colour depending upon the form of *Cym. pumilum* used in the particular crossing with colours varying from greens to tan-browns, or reddish browns. Blooms are rarely larger than 25mm but the plants produce them in profusion. Expect flowers around September each year.

#### ***Cym. Kuranda 'Arthur Dawson'***

The other parent of *Cym. Kuranda* is the Australian species *Cym. suave* which drastically reduces the plant size in this hybrid. Once again, flowers are small, around 25mm across, and are in clear green tones. *Cym. suave* influences the labellum colour, which is bright yellow with a clear red throat. Under our conditions *Cym. Kuranda* flowers from October to November.

#### ***Cym. Nymph's Nektar 'Alice Beker'***

This charming little hybrid of *Cym. (Bexley Devon x madidum)* is one of a number of hybrids which combine *Cym. devonianum* breeding lines with *Cym. madidum*. Plant size is moderate although the leaves are wider than normal due to the *Cym. devonianum* influence. Flowers are around 35mm and are a dusky bronze colour with heavily red-blotched label-

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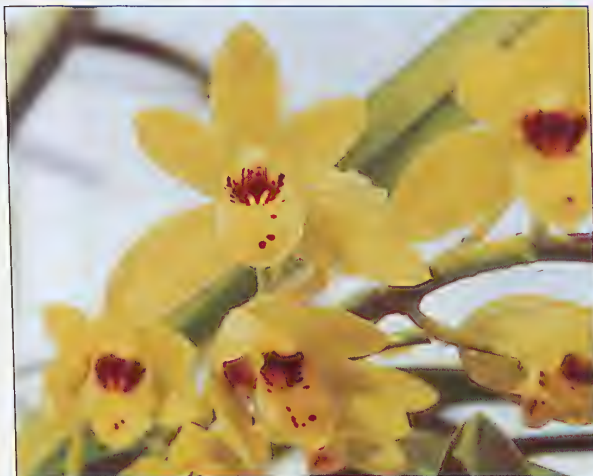
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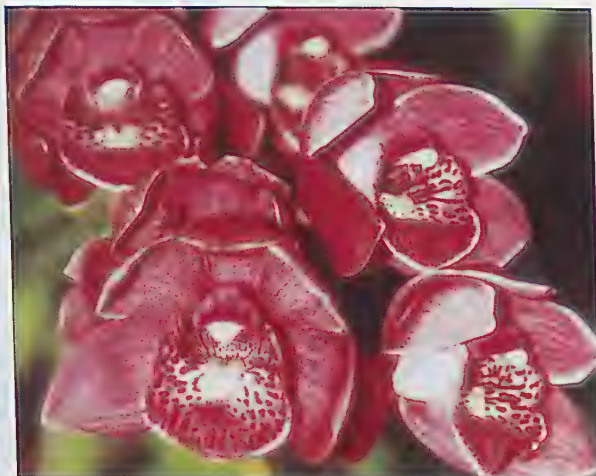
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Website: [www.bryantsorchids.com.au](http://www.bryantsorchids.com.au)





*Cym. Giselle 'Tanui'.*



*Cym. (Phar Lap x Vogelsang) 'No. 1'.*

lums. The spike habit is pendulous and the plant is quite floriferous.

#### ***Cym. Mad Irishman 'Juan Diaz' and 'Irish Sun'***

This hybrid is bred from *Cym. (madidum x Mary Pinchess)* and has plant and flower size dominated by *Cym. Mary Pinchess*. This is, perhaps, our favourite *Cym. madidum* hybrid due to its vigorous growth, floriferousness, pretty flowers, and its willingness to breed. The clone 'Juan Diaz', named after our close and generous friend who introduced us to orchid growing and gave us this plant, produces arching spikes of over thirty 40mm blooms in yellow to yellow-green blooms, depending upon light levels, with yellow labellums lightly spotted with red. 'Juan Diaz' is so vigorous that it can produce up to four flowerings a year with new spikes being produced as the flowers on the previous spikes are just beginning to drop off!



*Cym. Mad Irishman 'Irish Sun'.*

#### ***Cym. Doctor Len***

Another *Cym. madidum* hybrid created by Mr Andrew Easton using *Cym. Len Southward* (a *Cym. madidum* hybrid) with *Cym. Doctor Baker* and this crossing produced floriferous and moderately sized hybrids – at least in the varieties we grow. Several *Cym. Doctor Len* varieties are available as mericlones and include 'Ruby Sunset' and 'Dusty Imp'. Spike habit is pendulous and flower counts are high. Colours vary from dusky greens to tans and red-browns with labellums often heavily marked in dark red.

#### ***Cym. Nickelodeon Queen 'Cutie'***

Bred from *Cym. [(Cricket x devonianum) x Miss Muffet]*, this little charmer carries a double dose of *Cym. devonianum*, which ensures its compact, plant size, while *Cym. madidum* adds vigour and heat

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*Cym. Pee Wee 'W F Alcorn'.*

and light tolerance to the crossing. This hybrid is capable of carrying half a dozen or more pendulous spikes on a plant in a 150mm (six-inch) pot. Flowers are coloured a bright copper-bronze with red-marked labellums.

#### *Cym. (Peter Piper x Cricket) 'Prolific'*

The first of this hybrid to flower produced two pendulous spikes of over 20 blooms from the third bulb in a 120mm (five-inch) pot. While the flowers are quite open in shape, the bronze-brown colour and dark labellums made for an attractive display. With small bulbs and leaves barely 18 inches long, compact and floriferous plants should be produced once 'Prolific' and its siblings mature.

#### *Cym. (Phar Lap x Vogelsang) 'No. 1'*

The first two plants from this cross in our collection flowered in November 2002 and produced flowers which were almost identical. Both plants carry leaves only about 20 inches long and 'No. 1' carried five spikes on its first flowering and is another Andrew Easton hybrid, this one using *Cym. (Phar Lap 'Tiki Rose' x Vogelsang 'Eastbourne')*. The flowers are quite full in form with 'No. 1' being the cuppier of the first two clones to flower. The colour is a strong dark pink with the labellum being a light pink dusted with lots of darker spots.

#### *Cym. (Phar Lap x Darly)*

Another grex from Andrew Easton's



*Cym. Sunshine Falls 'Butterball'.*



breeding using *Cym. Phar Lap* with an old yellow hybrid. Plant size is moderate and the semi-pendulous spikes carry bright yellow-green blooms with bright yellow labellums marked by only a couple of red blotches high up toward the throat. The flowers are very similar to another *Cym. madidum* hybrid, *Cym. Giselle 'Tanui'* (Korintji x *madidum*) which also has moderate plant size, is a typically vigorous grower, and is very easy to flower.

We are sure there are many other *Cym. madidum* hybrids that would also display the properties described here, but we are reluctant to comment on plants that we haven't grown ourselves. There are also a surprising number of new hybrids available based on *Cym. madidum* sized plants. Hybrids such as *Cym. (Fifi x suave)*, *Cym. (Gladys Whitesell x Miss Muffet)*, *Cym. (Gladys Whitesell x Vogelsang)*, *Cym. (Mad Doctor x devonianum)* and *Cym. (Vogelsang x madidum)* are among the hybrids we've been able to find in recent years and are all showing the promise of producing moderate vegetative growth as they mature.

At the time of writing (late March), the last of our *Cym. madidum* hybrids to flower have only just shed their flowers as



*Cym. Sunshine Falls 'Green Fantasy'.*

the first early season cymbidiums have opened theirs, meaning it is possible to have cymbidiums in flower all year round – yet another plus for these attractive, vig-

orous and free-flowering hybrids. ■

**Rob Smith**  
24 William Hunter Court  
Rosebud, Victoria 3939



*Cym. Phar Lap 'Geyserland'.*

## FOXFIRE ORCHIDS

'The Globe' is from our PR1119 cross of Sensation 'Vieux Rose 4n' x Laura Arda 'Andromeda'. On its first flowering from a small plant in a 175mm pot last year it won CCHRCS Seedling of the Year.

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Contact us to have your name included on our mailing list. Our March 2003 catalogue is now available.



(Sensation x Laura Arda)  
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## SHOWDATES

DATE	TIME	SEASON	ORCHID SOCIETY	SHOW ADDRESS
<b>New South Wales</b>				
12-14 June	Shopping Centre Hours	Winter	Hawkesbury District	Westpoint Shopping Centre Patrick Street, Blacktown
6-22 June	Shopping Centre Hours	Winter	OSNSW	St. Ives Shopping Village 166 Mona Vale Road, St Ives
17 June	7.00pm-9.30pm	Winter	Sydney	Remembrance Hall 220 Lakemba Street, Lakemba
19-20 June	9.00am-7.00pm	Autumn	Maitland & Coalfields District	Market Place Raymond Terrace
24-25 June 26 June 27 June 28 June	9.00am-5.30pm 9.00am-9.00pm 9.00am-5.30pm 9.00am-4.00pm	Winter	Leisure Coast	Westfield Shopping Centre Princes Hwy Figtree
26-28 June	Shopping Centre Hours	Winter	Far North Coast	Lismore Shopping Square, Lismore
2-5 July	Shopping Centre Hours	Winter	Cumberland Orchid Circle	Westfield Shoppingtown North Rocks Road, North Rocks
2-5 July	Shopping Centre Hours	Winter	Fairfield District	Stockland Mall, Polding Street, Wetherill Park
3-5 July	Shopping Centre Hours to 4.00pm Saturday	Winter	Blue Mountains & Penrith District	Penrith Plaza 585 High Street, Penrith
3-6 July	Shopping Centre Hours	Winter	Campbelltown & District	Macarthur Square Shopping Centre Gilchrist Drive, Ambarvale
3-5 July 6 July	9.00am-5.00pm 9.00am-3.30pm	Winter	Sutherland Shire	Swanes Nursery 80 Port Hacking Road, Sylvania
5 July 6 July	11.00am-4.00pm 9.00am-4.00pm	Winter	Shoalhaven	Berry Showground Cnr Victoria & Albany Streets, Berry
10-12 July	Shopping Centre Hours	Winter	Eastwood & District Orchid Circle	Eastwood Shopping Centre 160 Rowe Street, Eastwood
12 July	8.30am-3.00pm	Winter	Southern Riviera	Anglican Church Hall, Milton
16-19 July	9.00am-9.00pm	Winter	Newcastle	Cardiff Club Nova, Cardiff
16-20 July	8.30am-6.00pm	Winter	Central Coast & Hunter Region Cymbidium	Lake Haven Shopping Complex Lake Haven Drive, Lake Haven
17-19 July	9.00am-7.00pm	Winter	Maitland & Coalfields District	Cessnock Plaza Cessnock
17-19 July	Shopping Centre Hours	Winter	North Shore	The Gordon Centre 802-808 Pacific Highway, Gordon
22 July	7.00pm	Winter	Parramatta District	The Red Gum Hall Wentworth Community Hall Cnr Dunmore & Lang Streets, Wentworthville
23-26 July	Shopping Centre Hours	Winter	Berowra and Districts	Cherrybrook Shopping Centre Shepherds Drive, Cherrybrook
25 July 26 July	9.00am-5.00pm 9.00am-3.00pm	Winter	Eurobodalla Orchid Club	CWA Hall Queen Street, Moruya
26-27 July	9.00am-4.00pm	Winter	Illawarra District	96 Market Street, Wollongong
15-16 August 17 August	9.00am-4.00pm 9.00am-3.00pm	Winter (St. Ives Orchid Fair)	North Shore Kuring-gai Manly Warringah ANOS	St. Ives Showground Mona Vale Road, St. Ives
15-16 August 17 August	9.00am-5.00pm 9.00am-1.00pm	Winter	Sapphire Coast Orchid Club	Twyford Hall Merimbula
16 August	10.00am-4.30pm	Winter	Bellingen Valley	Uniting Church Hall, Bellingen
21 August 22-24 August	9.00am-9.00pm 9.00am-6.00pm	Winter	Western Suburbs	Ashfield Mall Ashfield
25-27 August	Shopping Centre Hours	Winter	Macleay Valley	Credit Union Plaza, Kempsey
27-30 August	Shopping Centre Hours	Winter	South Coast	Corrimal Park Mall Princes Highway Corrimal
28-30 August	9.00am-5.00pm	Winter	Port Macquarie	Settlement City Shopping Complex Port Macquarie
30 August 31 August	10.00am-5.00pm 9.00am-3.00pm	Spring	ANOS – Newcastle Group	Club Macquarie Lake Road Argenton



DATE	TIME	SEASON	ORCHID SOCIETY	SHOW ADDRESS
<b>Queensland</b>				
6-8 June	9.00am-5.00pm	Winter	Tropical Qld Orchid Council/Atherton Tableland	Atherton High School Atherton
18-21 June	Shopping Centre Hours	Winter	Mackay & District	Caneland Central Mackay
20-21 June	7.30am-5.00pm	Winter	Townsville	TOS Hall Pioneer Park, Thuringowa
20-22 June	TBA	Winter	North Moreton, Qld Orchid Council	Auditorium Botanic Gardens, Mt. Coot-tha
4 July 5 July	9.00am till late 9.00am-4.00pm	Winter (Ingham Show)	Ingham	Ingham Showgrounds
7 July 8 July	8.00am-10.00pm 8.00am-4.00pm	Winter	The Atherton Tableland	Merrilands Hall Atherton Show, Atherton
18 July 19 July	9.00am-5.00pm 9.00am-3.00pm	Winter	Caboolture	Caboolture Memorial Hall King Street, Caboolture
19-20 July	TBA	Winter	John Oxley District	Auditorium Botanic Gardens, Mt. Coot-tha
20-21 July	8.00am-8.00pm	Winter	Douglas	Mossman Show Mossman Showgrounds
25 July 26 July	10.00am-10.00pm 10.00am-3.00pm	Winter	Tully & District	Tully Showground
26-27 July	8.00am-2.00pm	Winter	Gladstone Orchid & Foliage	Calliope Historical Village
1-2 August 3 August	8.30am-5.00pm 8.30am-3.00pm	Winter	Darling Downs	881 Ruthven Street Toowoomba (opposite K-Mart)
1-3 August	9.00am-5.00pm	Winter	Native Orchid of Toowoomba	Walshs Seeds and Nursery Ruthven Street, Toowoomba
1-3 August	8.30am-5.00pm	Winter	Toowoomba	891 Ruthven Street, Toowoomba
8-10 August	9.00am-5.00pm	Winter	Maroochydhore	Milwell Community Hall 11 Milwell Road, Maroochydhore
28-30 August	Gold Coast Show Hours	Winter	Gold Coast	Jupiters Pavilion Parklands Showgrounds Cnr Smith Street & Parklands Drive, Southport
28-29 August 30 August	8.00am-9.00pm 8.00am-4.00pm	Winter	Pine Rivers	Deception Bay Shopping Centre Deception Bay
30 August 31 August	8.30am-4.00pm 8.30am-3.00pm	Winter	Logan & District	Logan Central Community Centre Cnr Jacaranda Avenue and Wembley Road, Woodridge
30 August 31 August	9.00am-5.00pm 9.00am-4.00pm	Winter	North Brisbane	Auditorium Botanic Gardens, Mt. Coot-tha
<b>Victoria</b>				
7 June 8 June 9 June	9.00am-5.00pm 12 noon-5.00pm 9.00am-4.30pm	Winter	Melbourne Eastern	East Burwood Uniting Church Community Hall Cnr Burwood Highway & Blackburn Road, East Burwood
14 June 15 June 16 June	9.00am-5.00pm 12 noon-5.00pm 9.00am-4.30pm	Winter	Melbourne Eastern	Uniting Church Cnr. Burwood Highway & Pleasant Road East Burwood
28 June 29 June	10.00am-4.30pm 10.00am-4.00pm	Winter	North East Melbourne	Bulleen Heights School Pleasant Road Bulleen
5 July 6 July	1.00pm-5.00pm 10.00am-3.00pm	Winter	Victorian Country Clubs Challenge	Irymple Community Centre Karadoc Street Irymple (Mildura)
5-6 July	9.00am-5.00pm	Winter	Maribyrnong	Maribyrnong Community Centre Randall Street, Maribyrnong
12 July 13 July	9.30am-5.00pm 10.00am-4.00pm	Winter	Ringwood	The Selby Primary School Hall Morley Road, Selby
12-13 July	9.30am-4.30pm	Winter	The Victorian Orchid Club	Red Cross Centre Austin and Repat Hospital, entry Gate 8 Waterdale Road, Heidelberg
13 July	9.00am-3.30pm	Winter	Maroondah	Blackburn High School, Williams Road Blackburn
18-20 July	Shopping Centre Hours to 4.00pm Sunday	Winter	Sunraysia Orchid Club	Centre Concorse Mildura Plaza cnr. Deakin Avenue & 15th Street, Mildura
19 July 20 July	10.00am-5.00pm 9.00am-4.00pm	Winter	Yarra Valley	B&T Ferns & Orchids, 30 Wiseman Road Silvan South
26 July 27 July	9.00am-5.00pm 9.00am-4.00pm	Winter	Melbourne Western	Werribee Racecourse (Members' entrance) Bulban Road, Werribee



## SHOWDATES

DATE	TIME	SEASON	ORCHID SOCIETY	SHOW ADDRESS
26-27 July	9.30am-4.30pm	Winter	Warringal	St. Sava Community Hall 212 Diamond Creek Road, Greensborough
1 August	7.30pm-10.00pm	Winter	Stawell	Uniting Church Hall, Scallan Street, Stawell
2-3 August	10.00am-4.30pm	Winter	Geelong Orchid & Indoor Plant Club	Christ Church Hall, Cnr. Moorabool & McKillop Streets, Geelong
3-9 August	9.00am-9.00pm	Winter	Mornington Peninsula	Cranbourne Park Shopping Centre High Street, Cranbourne
15-17 August	9.00am-5.00pm	Winter	OSCOV	Collectors' Corner/Gardenworld Springvale Road, Keysborough
23 August	9.30am-4.30pm	Winter	West Gippsland Orchid Club	Public Hall Campbell Street, Yarragon
24 August	9.30am-4.00pm			

### South Australia

30 June	Shopping Centre Hours	Winter	Cymbidium Club of SA	Munro Para Shopping City 600 Main North Road, Smithfield
1-5 July				
5-6 July	10.00am-4.00pm	Winter	Port Lincoln Orchid Club	Kallinyalla Nursery, Port Lincoln
7-12 July	Shopping Centre Hours	Winter	Gawler Districts Orchid Club	Hollywood Plaza Shopping Centre Windsor Street, Salisbury Downs
11 July	12 noon-4.-00pm	Winter	Murray Bridge & Districts Orchid Club	Town Hall Bridge Street, Murray Bridge
12-13 July	10.00am-4.00pm			
16-19 July	Shopping Centre Hours	Winter	Whyalla Orchid Club	Westlands Shopping Centre, Whyalla
18 July	9.00am-5.00pm	Winter	Port Augusta Orchid Club	Port Augusta Garden Club Elizabeth Terrace, Port Augusta
19 July	9.00am-2.00pm			
21-26 July	Shopping Centre Hours	Winter	Orchid Club of SA	Golden Grove Shopping Centre Golden Grove
28 July- 2 August	Shopping Centre Hours	Winter	South Australian Orchidaceous	Harts Plaza Cnr. Crittenden and Findon Roads, Findon
28 July- 2 August	Shopping Centre Hours	Winter	Northern & Eastern Districts	Northpark Shopping Centre Main North Road, Prospect
11-16 August	Shopping Centre Hours	Winter	Northern & Eastern Districts	Modbury Triangle Shopping Centre North East Road, Modbury
18-23 August	Shopping Centre Hours	Winter	Spring Cymbidium Club of SA	West Lakes Mall 111 West Lakes Boulevard, West Lakes
30 August	12 noon-5.00pm	Winter	The Riverland	Senior Citizens Club
31 August	10.00am-4.00pm			Crawford Terrace, Berri

### Western Australia

3-5 July	Shopping Centre Hours	Winter	Wanneroo	Lakeside Joondalup Shopping Centre Joondalup Drive, Joondalup
19 July	11.30am-4.30pm	Winter	Mandurah & Districts	West Murray Community Hall Cnr. Pinjarra and Goodoogh Roads, Barragup
20 July	9.00am-4.00pm			
24 July	8.30am-9.00pm	Winter	Albany	North Road Shopping Centre
25 July	8.30am-5.30pm			North Road
26 July	8.30am-12 noon			Albany
24-26 July	Shopping Centre Hours	Winter	Bunbury	Bunbury Forum Shopping Centre Sandridge Road, Bunbury
2 August	1.00pm-6.00pm	Winter	Cymbidium Club of WA	Belmont Sports and Recreation Club
3 August	9.00am-5.00pm	(Annual Show)		Cnr. Keane Street and Abernethy Road Belmont

### Northern Territory

14-15 June	9.00am-5.00pm	Winter	Litchfield Orchid Club	Marrara Indoor Stadium Abala Road, Marrara
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### New Zealand

29 June	1.00pm-4.00pm	Winter	Waikato	Hamilton Gardens, Hamilton
11 July	1.00pm-5.00pm	Winter	New Zealand	Mt. Albert Memorial Hall New North Road, Mt. Alber, Auckland
29 August	11.00am-5.00pm	Winter	Whangarei	Forum North
30 August	9.00am-4.30pm			Rust Avenue
31 August	10.00am-4.00pm			Whangarei



# Australian Orchid Review

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- Cymbidiums Australia
- *Euchile citrina*
- Hybrid *Paphiopedilum*
- *Lycaste* hybrids
- *Odontoglossum* culture
- *Phragmipedium*
- "Soft-cane" Dendrobiums
- Species Orchids
- Terete Vandas
- *Thunia*

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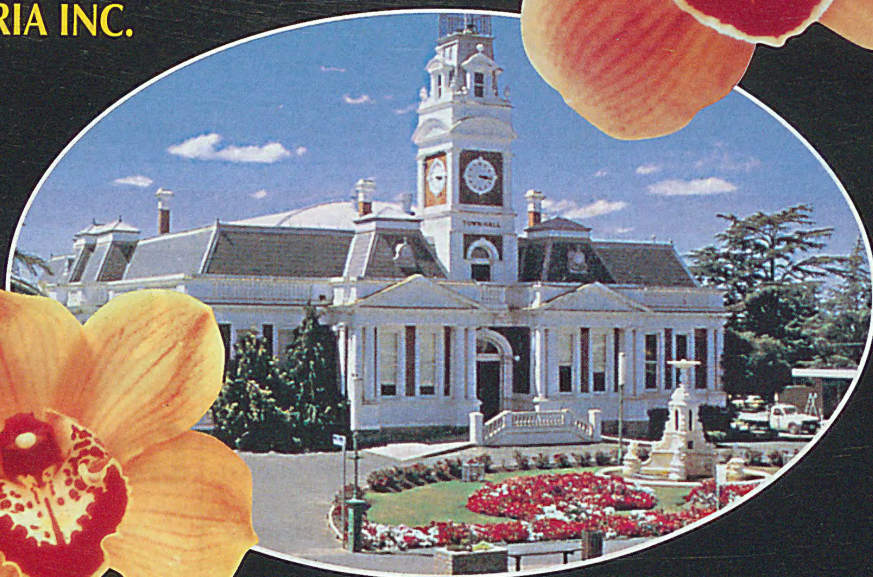
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